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Number 6

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August 11, 1941

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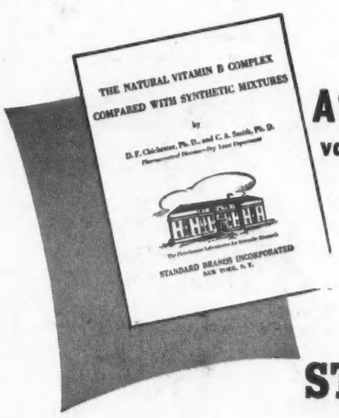

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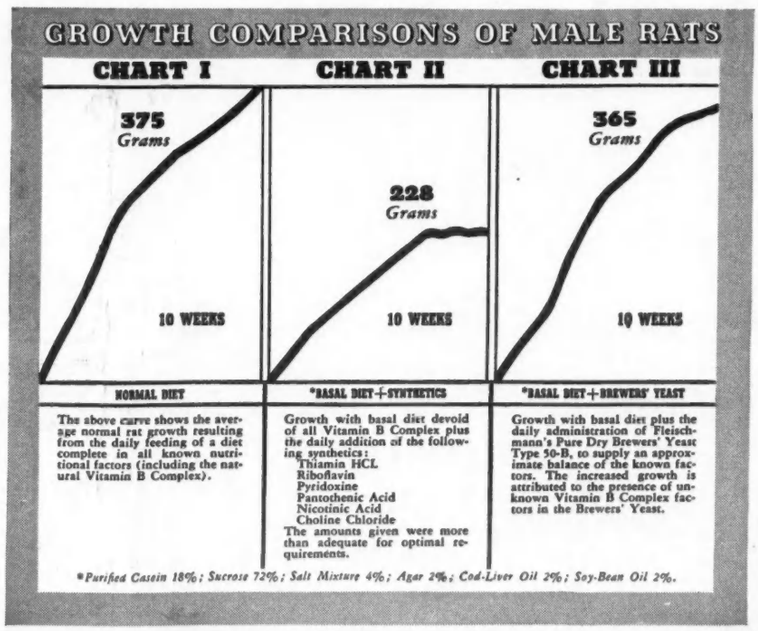
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CHART II
CHART III
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228 Grams
365 Grams
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10 WEEKS
10 WEEKS
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*BASAL DIET+SYNTHETICS
*BASAL DIET+BREWERS' YEAST
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Volume 140 August 11, 1941 Number 6

Chemical Workers And Payrolls Gain

Employment Up 0.7 Percent—Payrolls Gain 4.2 Percent—Both Are Above 1940 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted an increase of 0.7 percent from May 15 to June 15, according to the Bureau of Labor Satitstics. At the end of the monthly period employment was 12.5 percent above the corresponding level of 1940. Payrolls showed a gain of 4.2 percent from May 15 to June 15, and stood 27.1 percent above corresponding level for 1940.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries June 15 was 134.5 (100=1923-25 average) compared with 133.5 for May 15 and 119.0 for June, last year. For payroll totals the index number was 169.2 (same basis), compared with 162.4 for May and 133.2 for June last year.

—Continued on page 31

Copper, Zinc Defense Advisory Group Named

OPD Washington Bureau
August 7, 1941

Appointment of a Copper and Zinc Defense Industry Advisory Committee was announced today by the Bureau of Clearance of Defense Industry Advisory Committees, Office of Production Management. Among the members of the committee, composed of thirty-five men representing the five principal divisions of the industry, copper producers, zinc producers, brass and copper sheet rolling and tube forming industry, copper wire and cable manufacturers, the zinc fabricators, are:—

E. W. Furst, general manager of the Grasselli chemical department of E. I. duPont de Nemours & Co., Wilmington; E. C. Hegeler, president of the Hegeler Zinc Company, Zanville, Ill.; S. B. Coolidge, jr., manager of auxiliaries for the Sherwin-Williams Company, Cleveland; B. N. Zimmer, vice-president of the American Metal Company, Ltd., New York; Robert E. Dwyer, executive vice-president of the Anaconda Copper Mining Co., New York; C. T. Ulrich, vice-president of the Kennecott Copper Cor-

—Continued on page 41

Agricultural Insecticide Ass'n to Meet Sept. 11-12

The Fall meeting of the Agricultural Insecticide and Fungicide Association will be held in the Buckwood Inn, Shawnee-on-the-Delaware, September 11-12. The business end of the program will be opened by an address by Warren H. Moyer, of the Chipman Chemical Company, president of the association. This will be followed by a discussion of problems originating from the national defense program.

Among speakers scheduled are:—Edwin B. George, chief of priorities and emergency facilities of the Bureau of Research and Statistics of the Office of Production Management; Dr. R. C. Roark, of the Bureau of Entomology and Plant Quarantine, and Philip H. Groggins, chief of the agricultural chemicals section of the Office of Agricultural Defense Relations of the Department of Agriculture.

On the entertainment side will be a golf tournament, a formal dinner Thursday and a special dinner Friday. L. S. Hitchner, secretary of the association, 2o5 Madison avenue, this city, is in charge of arrangements.

C.I.O. Starts Drive In Chemical Industry

OPD Washington Bureau
August 7, 1941

A systematic drive to expand the membership of District 50, the chemical and allied products branch of the United Mine Workers, has been launched by John L. Lewis, U. M. W. president.

Mr. Lewis has appointed a committee of members of the international executive board of his union to conduct the drive. Members of this committee are as follows:—Ora E. Gassaway, John Kmetz, John J. Mates, Martin Wagner, and Kathryn Lewis. All are members of the international executive board with the exception of Miss Lewis, who has been acting as secretary to her father, John L. Lewis, for several years.

California Mineral Resources Recorded

San Francisco, Aug. 4, 1941

The State Division of Mines has in course of preparation a series of papers on "Commercial Minerals of California." These are by George L. Gary, mineral technologist, and comprise information on properties, occurrences, preparation, uses, tests, markets, and possible buyers, and a bibliography.

Strategic minerals listed by the Army and Navy Munitions Board are included in the series. The feeling is that the information, in general and specifically, is particularly timely and useful because of the need for many ';of the minerals for priority stockpiles in defense operations.

—Continued on page 31

Formaldehyde and Its Resins Allocated for Civilian Use

OPD Washington Bureau
August 5, 1941

A program of allocation for civilian use of synthetic resins and plastics made directly or indirectly from formaldehyde, was announced today by Leon Henderson, Administrator, Office of Price Administration and Civilian Supply. It is to become effective August 23.

At the same time, it was revealed that representatives of the four major manufacturers of formaldehyde—Heyden Chemical Corporation. E. I. du Pont de Nemours & Co., Kay-Fries Chemicals, Inc., and Cities Service Oil Company, and one very large distributor, American Cyanamid & Chemical Corporation, will be requested to meet with a representative of the OPACS price division in regard to a price order.

A study of the price situation in the formaldehyde branch of the chemical industry is now under way by OPACS following the receipt of numerous reports that less scrupulous distributors are exacting excessive prices.

A shortage of plastics, synthetic resins, and the components of such resins has developed within recent weeks because of the great demands made by defense industries and the

—Continued on page 59

Russian Trade Pact Extended to Lend-Lease

OPD Washington Bureau
August 6, 1941

The Russian-American trade agreement, which would have expired this month, has been renewed for another year, the Department of State has announced.

Under this agreement the United States gives Russia most-favored-nation status in respect to customs duties, and Russia agrees to purchase materials in this country. In other years the Soviet government has agreed to purchase a minimum of $40,000,000 of American goods and has usually bought considerably more, but no minimum is set in the notice of renewal.

The Treasury Department has "unfrozen" Russian credits in this country blocked by the general European freezing order, in order to permit large purchases of materials needed by the Soviets, and the Department of State has extended aid to Russia under the lend-lease program. No information has been disclosed as to the materials which will be purchased or sent under the lend-lease program, but it is known that large quantities of aviation gasoline will be among the first products to move.

Turpentine for Britain Sought by FSCC

OPD Washington Bureau
August 7, 1941

The Federal Surplus Commodities Corporation has asked for bids for turpentine packaged for export. It is understood that the turpentine will be sent to England under the lend-lease program, but the FSCC refuses to give details because of the British request that such purchases be regarded as military secrets.

The invitation asked for bids on water-white gum spirit of turpentine or water-white steam-distilled turpentine meeting Federal specification LLL-T-791a, packaged in accordance with commercial practices in 50 to 55 gallon galvanized or lacquer-lined steel drums suitable for export, for delivery as directed by FSCC between August 11 and 15. Awards will be made by 8:00 a. m. August 11 on bids received by 2:00 p. m. August 8.

It is understood in the trade that the British have asked for 90,000 barrels of turpentine over a period of months and that the initial purchase will be about 8,500 barrels.

Price Control Ceilings to Be Based On High and Low Costs

OPD Washington Bureau
August 7, 1941

Questioned by the house banking and currency committee members as to his intentions with respect to high and low cost producers, Leon Henderson, Administrator of the Office of Price Administration and Civilian Supply, answered that he has not attempted to establish any "bulk-line price system," a one-price system for all producers, but will use the same procedure as that recently announced for copper, a higher price to be allowed high-cost producers than that permitted producers with lower costs.

Mr. Henderson told the committee that there is no present intention of establishing general price ceilings, although he admitted that under the terms of the measure, the President would be authorized to do so. This provision, he said, is included only for use in times of great emergency and if invoked would be for only a short period. For the present it is the intention of the administration to continue the system of selective ceilings where needed, and any such ceilings will be limited mainly to basic commodities and raw materials rather than to retail prices of manufactured products.

Modeled After British System

Discussing the present bill, Mr. Henderson explained that various forms of price control in force in other countries had been closely studied and that the British system was the one selected as the best pattern for the United States. He stressed the need for statutory control of prices, pointing out that even in Germany and Japan this has been recognized.

While price control programs are generally accompanied by a licensing system, control of wages are treated separately in most cases, he said. Flexible administration of the law, together with additional aids such as the power to buy and sell commodities in stabilizing operations and monetary control are also required.

OPACS-NRA Compared

Stating that he had been very forcibly impressed by the "deadly parallel" between the current situation and that prevailing during the first World War, Representative Clyde Williams, Missouri, questioned Mr. Henderson concerning the difference between OPACS and the old NRA. There is no parallel between the two, Mr. Henderson replied, pointing out that the main job of the NRA was to support the price structure in an attempt to raise prices while OPACS is attempting to hold prices down. He said that OPACS will be unable to go as far as the NRA did because the aim of the NRA was to eliminate competitive practices, increase employment and raise prices.

—Continued on page 36

Flax Estimates Down On Heat in Dakotas

Minneapolis, Aug. 4, 1941

Heat and rust combined in North Dakota to materially decrease flax quality and yields, causing a downward revision in earlier private crop figures, according to the Flax Institute of the United States.

For two weeks sustained temperatures around the 100 degree mark in the Dakotas took toll of the flax crop, catching large acreages in the bloom stage and bringing condition in many sections from 90-100 percent down to 40-60 percent. In many sections of North Dakota farmers say that the flax crop is not worth harvesting.

There are still many parts of North Dakota where good yields will be made and some sections had sufficient subsoil moisture to carry the flax along but most of the late planted fields suffered to a degree, losses being chalked up in accordance with the date of planting. Flax that ripened early suffered some damage but in the main will produce a crop. Loss from

—Continued on page 59

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals, oils, and drugs is currently as follows:—

Aug. 8, 1941.	Aug. 1, 1941.	Aug. 9, 1940.
127.5	126.9	100.8

Heavy chemicals, oils, fats, and waxes, drugs and fine chemicals, botanical drugs, spices, and gums, essential oils and aromatic chemicals are up from the preceding week. All other divisions held the same levels.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Cotton Crop 10,817,000 Bales

The August government cotton report, issued last Friday, estimated the crop at 10,817,000 bales. Last year's production was 12,566,000 bales. The condition of the crop August 1 this year was 72 percent. Quantity of cotton ginned to August 1 was 1,966 bales. Cottonseed oil advanced about 10 to 15 points, but last part of the improvement later.

Tallow Firmer

No quotable change occurred in tallow on Friday, but offerings were light and the tone was firmer. To some the tendency of the market seemed to be upward.

Bids Wanted

Airplane Dopes:—Supplies of: Bureau of Supplies & Accounts, Navy Department, Washington, schedule 8189, opening August 19.

Alcohol, Ethyl:—960,000 gallons; Chemical Warfare Service, Edgewood Arsenal; invitation 12, opening August 19.

Asbestos, Powdered:—3,100 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; circular 198, opening August 13.

Calcium Hypochlorite: — Supplies of: Quartermaster Depot, 26 Exchange Place, Jersey City, invitation 1913-36, opening August 12.

—*Continued on page* 31

Defense Materials Price-Index Trend

The Bureau of Labor Statistics' index of market prices for strategic materials continued to advance during the week ended August 2, reaching a new high of 141.7 percent of the August, 1939, average. Further increases in prices of tin and manila fiber, which had already reached their highest levels in over a year, and higher quotations for rubber were responsible for the rise in the group index.

Index numbers of market prices of strategic and critical materials are:—

(August 1939 = 100)

1941.	Strategic.	Critical.
July 26	140.6	115.4
August 2	141.7	115.4

Pa. Lubricant Prices Pegged by OPACS

OPD Washington Bureau
August 4, 1941

Producers of Pennsylvania grade lubricating oils have been asked to base their prices on 33 cents a gallon for the dominant grade, 200 viscosity neutral oil, 25 pour test, and to maintain current differentials for the other grades of neutrals, the Office of Price Administration and Civilian Supply announced today. Leon Henderson, administrator, stated that inasmuch as no appreciable addition to Pennsylvania neutral supplies can result from higher prices, continued advances can accomplish nothing more than stimulate inflation.

Aluminum Shipment to Russia Planned by Reynolds Metal

Richmond, Va., Aug. 5, 1941

The Reynolds Metals Company today is awaiting approval of the Office of Production Management and the State Department of its plan to sell 2,000,000 pounds of aluminum to Russia. The metal, worth about $500,000, originally was purchased by the French government, but was repurchased by the company, before shipment, after the fall of France.

Contents of This Issue

News and Statistics

Aluminum Shipment to Russia Planned 4
Anesthetic Explosion Kills Experimenter 50
Agricultural Insecticide Ass'n to Meet 3
Anchor Hocking Producing at Connellsville 48
Blaffer Retires 60
Bird Joins Vitamin Plus 48
Benzol Freights Reduced 35
Chemical Salesmen's Role in Emergency to Be Told 29
Chlorine Fumes Fell Fifty 29
Copper Ceiling Set at 12c 41
Chemical Exports Climb 56
Cleve. Paint Club Marks Birthday. 38
Chain Drug Store Sales: June 48
Copper, Zinc Defense Advisory Group Named 3
California Mineral Resources Recorded 3
C.I.O. Starts Drive in Chem. Industry 3
Chemical Workers and Payrolls Gain 3
Certified Food Colors Handbook Available 35
Dehydration of Tung Fruit 5
Defense Contracts Recently Awarded 31
F.T.C. Cities Buyer For Price-Jockeying 5
Feldspar Freight Revised 59
Flax Estimates 3
Formaldehyde Allocated 3
Freight Equalization Plan Hit 4
Filtered Rosin Plans Unit 45
Golden Gate Club Gets Defense Projects Reports 38
Gardner-Richardson Fills Vacancies 50
Haertel Resigns 5
India Needs Chemicals 58
Military Fabrics Studied 35
Mercury Output: June 50
Mining Engineers to Meet 4
Oil Compact Extension Requested. 5
Oil Rationing in East Imminent 5
Oil Conservation Div. Headed by Steele 60
Oil Defense Committees to Meet 4
Oil Research Reports Set 4
Oils and Fats Statistics 45
Petroleum Exports Control Tightened 5
Poppyseed Culture Control Aimed. 5
Price Control Ceilings 3
Pa. Lubricant Prices 4
Russian Trade Pact 3
Salter to Head Fertilizer Div 56
Sherwin-Williams Ties-In Ad With Defense 59
Stauffer to Build Unit 36
Soda Nitrate Solution Freight Rates Reduced 56
Soap Sales Gain 55
Swimming-Pool Sanitation Handbook Issued 59
Tank Car Post to Bourque 60
Turpentine for Britain Asked 3
U.S.P. Changes Proposed 5

General Features

Advertisers' Index 61
Bids Wanted 4
Chemical Price Trends 4
Classified Advertisements 60
Closing Market Developments ... 4
Contracts Awarded ..... —
Corporation Earnings ..... —
Defense Materials Price Trend ... 4
Dividends Declared ..... —
Editorials 26
Foreign Trade Openings ..... —
Foreign Trade Rules 58
Industrial Uses of Chemicals 42
Obituaries 59
OPD Forum ..... —
OPD Price Index 4
Prices Current 7
Scientific, Professional Services .. 54
Trade News Briefs 35, 50
What You Can Use 36
Where You Can Sell 42

Market Reports

Botanical Drugs, Spices, Gums ... 51
Coaltar Chemicals 34
Drugs and Fine Chemicals 47
Dyestuffs, Textile and Leather Chemicals 37
Essential Oils and Aromatics 53
Fertilizer Materials 56
Heavy Chemicals 28
Oils, Fats and Waxes 43
Paint, Varnish and Lacquer Materials 39
Petroleum Products 55

Shipping Information

Cargo Ship Arrivals ..... —
Charters ..... —
Coastwise Shipments 58
Exports 58
Imports 57
Imports Detained 58

Chemical Price Boost Continues

Still more lift was applied last week to prices of chemicals and related materials, higher askings being the rule in many directions. Various influences were at work—sunburned flax crops, Oriental wobbles, priorities, shortages of materials and of transportation. The only bearish influence was the luck of the menhaden fishermen. The up side of price records was varigated: tin was back on that side. A couple of pesticides were the only other notable cheaper materials.

Business was bigger—up to the bursting point in some quarters; and the lack of supporting supplies was expected to affect others shortly. There were more priorities and official allocations. Inability to determine what really is defnse work caused increasing confusion and led to refusals to recognize certain claims to priority.

Prices were advanced on bifluoride of ammonia, Straits tin, stannate of soda, fluorspar, white arsenic, Bolivian needle antimony, antimony oxide, menthol, agar, Oriental spices, anethol, hydroxycitronellal, papain, paraffin, domestic and Argentine casein, cocoa butter, lard, tung oil, linseed oil, gum and both distilled wood turpentines, gum rosin, Jamaica ginger, tankage, Eastern nitrogenous sludge, bonemeal, and cottonseed-meal in the Southeast.

Prices were reduced on menhaden scrap and meal, milled pyrethrum flowers, and red squills.

The result of the changes is shown in the *OPD Price Index* at the top of the column to the left.

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Freight Equalization Plan Hit by F.T.C.

OPD Washington Bureau
August 8, 1941

Alleging unfair practices in restraint of trade in the sale and distribution of milk and ice cream cans, the Federal Trade Commission issued a complaint against the Milk and Ice Cream Can Institute, the industry's trade association, and against a promoting and organizing group, and nine manufacturing corporations which sell approximately 1,000,000 milk and ice cream cans a year.

Pursuant to their combination, the complaint alleges, the respondents have cooperatively made and announced prices under a "freight equalization plan" in such a way that the delivered cost of their products to a purchaser is the same regardless from whom the purchase is made or from which producing point the goods purchased are shipped.

The complaint also charges that the respondent corporations cooperatively promote adherence to prices announced under the so-called "freight equalization plan," and exclude the

—*Continued on page* 29

Mining Engineers to Meet In Duluth August 12-15

The American Institute of Mining and Metallurgical Engineers will hold its annual regional meeting at Duluth, Minn., August 12-15. Six hundred geologists, mining engineers and metallurgists will attend.

The president of the institute, John R. Suman, vice-president of the Humble Oil & Refining Company, will address the members at luncheon on August 12.

The technical papers for the Duluth meeting have been planned to give a comprehensive picture of the mining and transportation of iron ore from the country's largest source of supply. The members will visit the world's largest open-pit iron mines during a year of record-breaking activity, featuring various methods of moving ores. At the various sessions they will discuss the iron ore situation in connection with preparedness, and apply themselves to the solution of the problems of production and transportation of ore for the great steel plants of Illinois, Indiana, Ohio, Pennsylvania and New York.

Oil Defense Committees To Meet August 11

OPD Washington Bureau
August 5, 1941

Deputy Oil Coordinator Ralph K. Davies has called a meeting of the five regional oil industry committees and the chairmen of the four district functional committees in each region for August 11. The meeting Monday, Mr. Davies explained, is for the purpose of discussing questions of procedure and other problems of an organizational nature. This will be the first meeting of the chairmen as a group since their appointment "to advise and consult" with Petroleum Coordinator Harold L. Ickes and Mr. Davies "on matters relating to the proper coordination of the activities of the petroleum industry for national defense."

Oil Research Reports Set for A.C.S. Meeting

Mirroring present trends in oil refining, and indicating the close relationship of the oil industry to national defense effort, more than twenty research reports will be presented at the 102nd meeting of the American Chemical Society at Atlantic City, N. J., September 8-12.

Two of the papers deal with the determination of aniline point, which measures the aromatic content of naphthas. These papers, it is explained, give a glimpse of one aspect of the work which has been done in recent years on the production of these materials from petroleum, which has culminated in the huge plants for making very pure toluene for munitions from petroleum. The authors are B. H. Shoemaker and J. A. Bolt

—*Continued on page* 60

U.S.P. Additions and Deletions Proposed

Lists of proposed additions to and deletions from the United States Pharmacopeia have been prepared by the U.S.P. XII Committee of Revision. The list of new admissions is particularly long because of the proposed recognition of new dosage forms (capsules, tablets, injections, and others) of a number of drugs, some new, some already official.

The two lists are as follows:—

Proposed U.S.P. Additions

Acetophenetidin tablets
Acetylsalicylic acid tablets
Acid aminoacetic
Ascorbic acid tablets
Ammonium mandelate syrup
Nicotinic acid tablets
Tannic acid solution
Adhesive plaster, sterile
Alumina hydrated
Alumina hydrated, magma
Ammonium chloride capsules
Amphetamine (benzedrine)
Amphetamine sulphate
Amylene hydrate
Atropine sulphate tablets
Barbital tablets
Soluble barbital tablets
Bentonite
Bismuth and potassium tartrate injection
Bismuth subsalicylate injection
Bismuth sulpharsphnamine (bismarsen)
Blood (normal human blood)
Butaprobenz sulphate (butyn sulphate)
Butesin picrate
Butesin picrate ointment
Butyl aminobenzoate (butesin)
Caffeine with sodium benzoate injection
Calcium gluconate injection
Calcium mandelate
Calcium sulphate
Calcium sulphate bandage
Capsules (general chapter)
Carbarsone
Carbon tetrachloride capsules
Cascara sagrada extract tablets
Chenopodium oil capsules
Chiniofon tablets (enteric coated)

—*Continued on page* 49

M.H. Haertel Resigns Wood Chemical Post

OPD Washington Bureau
August 7, 1941

The headquarters of the Wood Chemical Institute will be moved from Washington to the Terminal building, Bradford, Pa., September 1. The office will be in charge of J. A. McCormack, Olean, N. Y., who has been elected secretary-treasurer. Mr. McCormack has been connected with the wood chemical industry for several years and has been manager of the Manufacturers' Chemical Company and of the Wood Distillers Corporation.

Mr. McCormack succeeds Dr. M. H. Haertel, who resigned as secretary-treasurer after filling that post for several years. Dr. Haertel will retain an office in the former quarters of the institute in the Albee building, Washington, and will engage in special consulting work for the wood chemical and related industries.

Poppyseed Culture Control Studied by U.S.

OPD Washington Bureau
August 9, 1941

The Bureau of Narcotics is preparing legislation to prohibit the growing of poppies for the seeds in the United States except under permit. The draft probably will be forwarded to Congress within two or three weeks.

The legislation is considered necessary because of the fact that, since the European war shut off shipments of poppyseeds used on bakery products, the growing of poppies for seed has been started in many areas in this country. Most of the plantings have been made by persons of Czech or Bohemian extraction with whom poppyseed breadstuffs are a favorite, and in many cases the growers are not aware that this poppy is the same plant which produces opium.

Some, but not all, States have legislation preventing the growing of opium poppies, and at present the Federal government has no control over such plantings and can only police the fields to see that no opium is extracted from the plants. The greatest production at present is in Oregon. The proposed legislation will be based on fulfilling the obligations of international treaties for control of the traffic in opium.

Dehydration of Tung Fruit

By R.S. McKinney and A.F. Freeman

Agricultural Chemical Research Division, Bureau of Agricultural Chemistry and Engineering, United States Department of Agriculture

Presented April 25, 1941, at Spring meeting of the American Tung Oil Association in Gulfport, Miss.—officially released August 4, 1941, for publication

The dehydration of tung fruit is a subject of intense interest to the tung oil industry because processing is delayed and hindered by the presence of excessive moisture in both the tung fruit and tungmeal.

Many have felt that it would be a great help to the industry if it were possible to dry and process the tung fruits as soon as they are ripe. Such immediate treatment would eliminate the necessity of waiting two to four months for the fruit to dry naturally.

The first dehydration studies of the Tung Oil Laboratory were concerned primarily with two questions:—(1) What are the moisture characteristics of tung fruits? and (2) What temperature can be used in the drying process without injuring the fruit?

The tung fruit when ripe contains between 60 percent and 70 percent of moisture, and it holds this moisture tenaciously. Tests have shown that under no conditions does the moisture evaporate from the surface of a tung fruit at a rate equal to that of free water from a nonabsorbent surface. At first, this ideal condition is approached fairly closely at 80° F. However, even at this temperature the drying rate rapidly decreases as drying proceeds, and from a moisture content of 36 percent, it is only one-fifth of the ideal.

Many dehydration studies were carried out at 150° F. because it was believed that higher temperatures would injure the tung fruits. Later investigation showed that the tung fruits would stand much higher temperatures without injury. It was found that the initial rate of evaporation of moisture from the tung fruit at 150° F. is 62 percent of the ideal, but the rate soon falls to 31 percent; from 50 percent moisture to equilibrium (which is about 9 percent moisture) the rate is only 10 percent of the ideal. It requires eighty hours at this temperature to reduce the moisture content of tung fruit from 70 percent to 10 percent.

It was thought that the drying of tung fruit could probably be improved if the outer waxy membrane were scraped off. Such preparation did increase considerably the rate of moisture loss at 150° F. during the initial period, but from 33 percent moisture to equilibrium there was no increase in the drying rate. It requires fifty hours at this temperature to dry scraped tung fruit from a moisture content of 70 percent to 10 percent.

Solar Drier Tried

Studies were made upon the dehydration of tung fruit in a solar drier. The equipment used in these experiments employed air rather than water to convey the heat from the solar absorption unit to the drying compartment. This type of drier was used because of its relative cheapness in comparison with the water-type solar drier. The solar absorption unit was 28 inches wide and 48 inches long, containing an air space of 6 cubic-feet. The bottom and sides were made of copper painted black; the top was made of window glass.

Moist tung fruits were placed in the upper drying compartment, and the drier was placed facing south on a porch roof. The temperature in the drying compartment never exceeded 150° F., and was much lower in the late afternoons and on cloudy days. Not over 4 ounces of moisture were ever removed from 4 pounds of fruit in one day. The low moisture and heat capacities of air at the average temperature attained would prevent the successful drying of tung fruit by this type of drier. Further study should be made using a solar water heater operated in conjunction with a ventilated barn and a thermostatically controlled blower.

At higher temperatures it is possible to remove moisture from tung fruit much more rapidly. Yet, even at 340° F., the evaporation of water from tung fruit is only one-sixth as rapid as from a nonabsorbent surface. It was found that it required thirty hours at 212° F. and ten hours at 340° F., to dry tung fruit from 70 percent to 10 percent moisture. Increasing the air velocity did not seem to hasten the drying very materially.

Flash Drying Studied

The drying of tung fruit in a flash drier, wherein the fruits are exposed to a high temperature for a short time, was also studied. This drier was of the rotating-cylinder type, approximately 40 feet long and 6 feet in diameter. An inner concentric cylinder extended practically the entire length of the outer cylinder of the drier, and the flame was thrown lengthwise into this inner cylinder. A cone-shaped baffle, fitted over the discharge end of the inner cylinder, directed the hot air back between the two cylinders. Vanes set spirally on, and at an angle to the inner surface of the outer cylinder were responsible for the movement of the material through the drier. Pyrometers were set inside of the outer cylinder at the feed end and on the cone-shaped baffle at the discharge end. However, the temperatures read did not represent the actual drying temperatures, because the construction of the drier made it impossible to place the pyrometers in the drying tunnel.

It was found necessary to pass the tung fruit twice through the drier to obtain effective drying. In the first experiment, tung fruits containing an average of 36.9 percent moisture were dried to 21.4 percent moisture, but the average moisture content of the kernels was lowered only from 18.7 percent to 16.4 percent. Neither the quantity nor the quality of the oil was affected. In a second experiment, tung fruits were dried from 28.3 percent to 15.0 percent moisure, and the moisture content of the kernels was lowered from 18.2 percent to 9.3 percent. In this case, the iodine value of the oil dropped from 166.5 to 160.1. In both experiments there was a considerable quantity of fruits, seeds, shells, and broken kernels which were not discharged when the drier was rotated at a proper speed for drying purposes. This portion of the fruit was discharged by increasing the speed of the drier. The iodine value of the oil from this excessively dried fruit was markedly lower than that of the oil from the undried fruit, being 152.9 and 156.1, respectively, in the two experiments.

The necessity of passing the tung fruit twice through this drier and the retention and injury of a portion of the dried fruit were noteworthy features of these experiments; they indicated that this type of drier is probably unsuitable for drying tung fruit.

The rather slow rate of evaporation of moisture from tung fruit containing 70 percent of moisture makes it seem probable that expensive drying equipment would be needed for efficient operation. Also, it has been calculated that over 2 tons of water must be evaporated to produce 1 ton of fruit having 12 percent of moisture. Since tung fruit must be considered a low-priced commodity, selling at 1½ cents to 3 cents per pound on an air-dry basis, it may prove more economical to allow the fruit to dry partly in the fields and then to complete the drying by artificial means.

Field Drying Helps

Under favorable weather conditions the fallen tung fruits will dry in the fields to about 30 percent moisture content in two weeks. Laboratory studies showed that the drying of tung fruit from 30 percent to 10 percent moisture requires thirty hours at 150° F., seven hours at 212° F., two and one-half hours at 265° F., or one and one-half hours at 340° F. Moist tung fruits were shipped to several manufacturers of drying equipment for tests, but none of the experiments indicated the feasibility of artificially drying ripe tung fruit containing 70 percent moisture. With tung fruit

—*Continued on page* 38

F.T.C. Cites Buyer For Price-Jockeying

OPD Washington Bureau
August 7, 1941

E. J. Brach & Sons, Chicago, candy manufacturer, is charged, in a Federal Trade Commission complaint, with knowingly inducing some manufacturers of corn syrup to discriminate in price in favor of itself and with knowingly receiving the benefits of price discrimination from some of such manufacturers contrary to the Robinson-Patman act.

According to the complaint, the respondent makes aggregate yearly purchases of corn syrup amounting to approximately 30,000,000 pounds or about one railroad tankcar daily.

—*Continued on page* 58

Petroleum Exports Control Tightened

OPD Washington Bureau
August 4, 1941

Acting under specific orders from President Roosevelt, Brig. Gen. Russell L. Maxwell, Administrator of Export Control, took steps over the weekend to restrict further the exportation of petroleum products, by tightening the definition of aviation motor fuel and aviation lubricating oil, and by limiting exports of all other petroleum products to "usual or pre-war quantities" with the exception of shipments to points in the Western Hemisphere, the British Empire, and "the unoccupied territories of other countries engaged in resisting aggression."

Aimed particularly at Japan, although that country is not mentioned in the official documents, under the Export Control Schedule, No. 15, which supersedes all export control schedules previously issued which contain any reference to petroleum products, all shipments of aviation gasoline or aviation lubricating oil would be cut off. Other purchases of petroleum products are limited to "pre-war quantities," under a strict licensing system which can be cut off at any time.

Oil Compact Extension Approved by House

OPD Washington Bureau
August 7, 1941

The house today passed and sent to the senate the resolution introduced by Representative William P. Cole, jr., of Maryland, calling for the extension of the Interstate Oil Compact for a period of two years. It is expected that the senate will approve the extension early next week.

The measure was offered by Representative Cole, following a request to congress earlier in the week from President Roosevelt, in which he favored the extension of the compact. Transmitting a certified copy of the agreement signed by the governors of eleven States, Mr. Roosevelt, in a message to Congress accompanying the compact, expressed gratification over the fact that the original agreement between the six States of Texas, Oklahoma, New Mexico, Illinois, Colorado and Kansas, has now been extended to include Michigan, Arkansas, Louisiana, Pennsylvania and New York.

Oil Rationing in East Imminent, Says Ickes

Mandatory rationing of motor fuel on the Eastern Seaboard "isn't very far ahead" unless there is a drastic voluntary curtailment in the consumption of gasoline, Petroleum Coordinator Harold L. Ickes warned today. Pointing out that in spite of his insistent and repeated requests for a voluntary cut of one-third in the use of motor fuels in sixteen Atlantic coast States, deliveries of gasoline to service stations increased last week by 1,029,866 gallons over those of the previous week, a gain of almost 1 percent, Mr. Ickes said that there will have to be a great increase in cooperation by the driving public if involuntary rationing is to be avoided.

Give your exterior paints that lasting, youthful "complexion"

One certain way to gain the important quality of color retention is by pigmenting your white and tinted coatings with the newer types of TITANOX-A (titanium dioxide). These improved pigments, of which there are three, contribute better color retention in varying degrees – more than ever was obtainable with the original TITANOX-A. Color retention is a corollary of chalking resistance, and chalking resistance is the primary purpose for which the newer TITANOX-A pigments were created.

Color Retaining, Chalk Resisting
titanium dioxides suitable for exterior paints.

TITANOX-AA ..... *Good*
TITANOX-A No. 24.. *Better*
TITANOX-A NC..... *Best*

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SOLE SALES AGENT

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104 South Michigan Avenue, Chicago, Illinois
National Lead Company (Pacific Coast Branch)
2240 24th Street, San Francisco, California

Current Market Quotations

August 8, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works.....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb lots.....lb. .58 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs, 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09 - —
tanks, dlvd.....lb. .07 - —
Methyl (see M)
Acetonitrile, dms., works.....lb. 1.00 - 2.00
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms.....lb. 1.08 - —
25 lbs., dms.....lb. 1.10 - —
Acid, abietic, dms., ρ .., f.o.b. all points in U.S. E. of and including Kans., Nebr., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs.....100 lbs. 3.68 - 3.93
56%, bbls.....100 lbs. 5.18 - 5.43
cbys., cs.....100 lbs. 5.68 - 5.93
70%, bbls.....100 lbs. 6.19 - 6.44
cbys., cs.....100 lbs. 6.69 - 6.94
80%, bbls.....100 lbs. 6.91 - 7.16
cbys., cs.....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 8.30 - 8.55
cbys.....100 lbs. 8.80 - 9.05
tanks .....100 lbs. 7.50 Nom.
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks .....100 lbs. 6.50 - —
USP XI, al. dms...100 lbs.10.25 -11.00
CP, dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 4.23 - 4.48
cbys., cs.....100 lbs. 4.73 - 4.98
36%, bbls.....100 lbs. 4.61 - 4.86
cbys., cs.....100 lbs. 5.11 - 5.36
60%, bbls.....100 lbs. 7.17 - 7.42
cbys., cs.....100 lbs. 7.67 - 7.92
80%, bbls.....100 lbs. 8.70 - 8.95
cbys., cs.....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld.....lb. .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,999 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
99 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld...ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .19 - .19½
Caproic, dms., works.....lb. .25 - .30
Caprylic, dms.....lb. .27 Nom.
Castor oil, split, dms.....lb. .17½- .18
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N.Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots.....lb. .23½- .26½
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.
Cleve's, bbls.....lb. .65 - —
Coconut oil, dist., dms.....lb. .16 - .16½
Cottonseed oil, dist., dms.....lb. .13¾- .14¼
tanks .....lb. .13¼- —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. .90 Nom.
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S....gal. .58 - —
l.c.l., same basis.....gal. .59 - .60
tanks, dlvd., East. U.S.gal. .54 - —
medium-boil (222°-240°), non-return dms., c.l., works, East. U.S..gal. .64 - —
l.c.l., same basis....gal. .65 - .66
tanks, dlvd., East. U.S.gal. .60 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - —
Gallic, tech., bbls.....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots.....lb. 1.25 - —
fib. dms., 25 lbs.....lb. 1.29 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, djns..lb. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10¾- .11½
5 to 19 cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¾- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¾- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms....lb. .17½- .18
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .16 - .16½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 100-lb. cns.....lb. 7.15 - —
50-lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs. or over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .11½- .12
tanks .....lb. .11 - —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.45 - 1.95
Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g., 1.710 cbys, 180 lbs..lb. .12 - —
50%, s. g., 1.347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys, djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.85 - —
cns. .....lb. 1.53 - —

Acid, pyrogallic, USP, cryst., cns..lb. 2.00 - —
resub., cns.....lb. 2.50 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split). tech., dms., works.....lb. .32 - .37
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .17½- .17¾
Stearic, dist., double pressed, bgs., dlvd..lb. .13¾- .14¾
single pressed, bgs., dlvd..lb. .13¼- .14¼
triple pressed, bgs., dlvd...lb. .16½- .17½
saponif., double pressed, bgs., dlvd..lb. .14 - .15
triple pressed, bgs., dlvd..lb. .16¾- .17¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.65 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tch., bbls., dms....lb. .06 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots.....lb. 1.15 - —
25-lb. lots.....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots.....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .63½- —
smaller quantities.....lb. .64 - —
kgs. .....lb. .64½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. 1.10 - 1.15
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 - —
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —
Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1 bls.....lb. 2.00 Nom.
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .60 - .70
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.55 - 1.60
powd., dms., bbls.....lb. 1.60 - 1.65
import, cs.....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
tankwagon, frt. alld.....lb. .09½- .10¼
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms.....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 2.80 - 3.40
Denatured, CD14, dms., c.l., dlvd. E...gal. .36¼- .38½
l.c.l., dlvd., dms.....gal. .41½- .43½
tanks, E., dlvd.....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
12 bbls., E. works...gal. .37 - —

Alcohol—Benzoyl Peroxide

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works...gal. .40 - —
dms., c.l., E. works...gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 3c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .24 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .12
l.c.l., dlvd.....lb. .12 - .12½
tanks, dlvd.....lb. .10½- .11
tech., dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd.....lb. .11½- —
tanks, dlvd.....lb. .10 - —
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 35,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same terms.....lb. .0760- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade.. dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., works, lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 55 and 110 gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Alstria root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .12½- .13
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 3.85 - —
100-lb. kgs.....lb. 3.97 - —
25-lb. fib. dms.....lb. 4.04 - —
Alphanaphthel, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
Alumina acetate, solut., 24%, l.c.l., 10 or over, dlvd. lb. .09½- —
1 to 9 dlvd.....lb. .10 - —
normal, solut., 20%, bbls., l.c.l., 10 or over., dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l. dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½- —
bbls., c.l., dlvd.....lb. .14½- —
l.c.l., bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .21 - —
l.c.l. .....lb. .22 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald., 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.95 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .87½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .87 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .87 - —
standard, dms., 1,500 lbs..lb. .89 - —
rubber compound, dms., 1,500 lbs..lb. .88 - —
unpolished, dms., 1,500 lbs. lb. .86 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .88 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ¼ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia aldehyde, dms., works, lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va...ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05½- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd., Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15½- .17
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .23
Ammonia, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works...lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cake.....100 lbs. No price
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .18 - —
ex Pentane, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld.....lb. .13½- —
tanks, frt. alld.....lb. .11½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .58 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.60 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5-lb. bots.....lb. .63 - .65
cns. .....lb. .55 - .60
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.20 - 1.25
cans .....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .50
import., natural, bls.....lb. 1.60 - 1.65
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Star .....lb. .20 - .20½
Turkish, aflout, bgs.....lb. .35 - .36
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .17 - .18
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., dlvd.....lb. .13 - .15
l.c.l., dlvd.....lb. .14½- .16½
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .30 - —
bbls., same basis.....lb. .28 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .16 - .17
Arecoline hydrobromide, bots..oz. 6.00 - 7.25
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilo. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls. .....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, 20 tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .06 - —
smaller lots, f.o.b. plant. lb. .08 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.30.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or (N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06¼
Ill., Ind., refinery.....gal. .06¼- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.47.50 - —
l.c.l., works.....ton.52.50 - —
bbls., c.l., works.....ton.52.50 - —
l.c.l., works.....ton.57.50 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.88.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .06½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York...ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.16.50 - —
ore, bulk, mines.....ton. 8.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½- .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms.....lb. 1.00 - 1.10
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —

Benzyl acetate, f.f.c., cns.....lb. .52 - .55
dms. .....lb. .48 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .85 - 1.10
dms. .....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb 1.65 - 1.75
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -27.50
Hydrochloride, cns.....lb.17.75 -27.50
Sulphate, cns.....lb.17.75 -27.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots. .....lb. 2.86 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
(Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —

Bismuth, subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
3, c.l.....lb. .12 - —
l.c.l. .....lb. .12½- —
4, c.l.....lb. .11 - —
l.c.l. .....lb. .11½- —
5, c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
6, c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
7, c.l.....lb. .11½- —
l.c.l. .....lb. .12 - —
8, c.l.....lb. .12½- —
l.c.l. .....lb. .13 - —
Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd. .....lb. .07½- —

Black, carbon, beads, compressed, bgs., c.l., f.o.b. plants, lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd. .....lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y., lb. .04½ Nom.
B, bbls., works or N. Y..lb. .05¾ Nom.
works..lb. .14 Nom.
dms., c.l., frt. alld.....lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23

Benzyl Acetate—Brown, Sienna

Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis.....ton.75.00 -80.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.50 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago, unit-ton. 3.75 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.40 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .17 - .18
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.50 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .32 - —
regular, same basis, contracts, lb. .25 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .23 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.50 - —
import, bgs., c.i.f. ports..ton.28.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.00 - —
import, bgs., c.i.f. ports..ton.37.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.42.00 - —
Boneset leaves, bls.....lb. .06½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
tech., 99½%, gran., bgs., less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.46.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .08½- —
Italian, Group 1, bbls., f.o.b. N. Y. or Phila. points..lb. .12¼ Nom.
2 bbls., same basis....lb. .12¼ Nom.

Now *THREE* Salts of HYDROXYLAMINE

(NH_2OH)

New NP Derivative—HYDROXYLAMMONIUM CHLORIDE opens additional uses for this chemical

Hydroxylamine, a most reactive compound, long recognized as useful in many organic syntheses, is now offered in the form of *three* reasonably-priced salts. The latest addition to this family of Hydroxylammonium Salts is the Chloride—the Sulfate and Acid Sulfate having been placed in commercial production last year.

In many organic syntheses utilizing Hydroxylamine the reactions are preferably carried out in a liquid medium other than water. In such cases Hydroxylammonium Chloride can be used to advantage since it is more soluble in organic liquids than the acid or neutral sulfate. For syntheses involving aqueous solutions the acid sulfate is the most economical, but the neutral sulfate is recommended where high purity is required.

The availability of Hydroxylamine at reasonable prices is stimulating active investigation of the many old as well as new reactions involving this compound. Among those mentioned in the technical and patent literature are the syntheses of indigo, azo dyes, phenyl hydrazine, the dioxime of succinic dialdehyde and many other complex organic chemicals. Hydroxylamine is also suggested for the purification of aldehydes and ketones; as a photographic developer; as a dehairing agent; and in the preparation of flotation agents. Write today for samples.

TABLE OF PROPERTIES

PRODUCT	Chemical Formula	Melting Point °C.	pH of 0.1 M Aqueous Solution at 25°C.	Solubility gm. per 100 gm. at 25°C. in H_2O	in 95% C_2H_5OH	in CH_3OH
HYDROXYLAMMONIUM CHLORIDE	$NH_2OH \cdot HCl$	152 d*	3.4	94.7	10.5	17.5
HYDROXYLAMMONIUM SULFATE	$(NH_2OH)_2H_2SO_4$	162 d*	3.5	63.9	0.2	0.1
HYDROXYLAMMONIUM ACID SULFATE	$NH_2OH \cdot H_2SO_4$	Indefinite	1.6	Approx. 390	4.3	20.2

*Melts with decomposition

COMMERCIAL SOLVENTS *Corporation*

17 East 42nd Street, New York, N. Y.

Brown, Sienna—Creosote

Brown, Sienna, burnt, Italian, group 3, bbls., same basis..lb. .11½ Nom.
4, bbls., same basis...lb. .10 Nom.
5, bbls., same basis...lb. .10 Nom.
6, bbls., same basis...lb. .09½ Nom.
7, bbls., same basis...lb. .09¼ Nom.
8, bbls., same basis...lb. .09 Nom.
9, bbls., same basis...lb. .08½ Nom.
10, bbls., same basis...lb. .08½ Nom.
11, bbls., same basis...lb. .08 Nom.
12, bbls., same basis...lb. .07½ Nom.
13, bbls., same basis...lb. .07¼ Nom.
14, bbls., same basis...lb. .06¾ Nom.
raw, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N. Y. & E. works..lb. .13¾ Nom.
2, bbls., same basis...lb. .12½ Nom.
3, bbls., same basis...lb. .12¾ Nom.
4, bbls., same basis...lb. .10¾ nom.
5, bbls., same basis...lb. .10¾ Nom.
6, bbls., same basis...lb. .09¾ Nom.
7, bbls., same basis...lb. .10 Nom.
8, bbls., same basis...lb. .08½ Nom.
9, bbls., same basis...lb. .08 Nom.
10, bbls., same basis...lb. .07¼ Nom.
11, bbls., same basis...lb. .06¼ Nom.
Umber, American, bbls., works, lb. .03¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - —
St. Louis.....lb. .05½- —
ex car Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle.....lb. .05¾- —
ex whse. Los Angeles..lb. .06½- —
Portland, San Francisco, Seattle..lb. .06 - —
Boston .....lb. .05 - —
Chicago, Indianapolis, New Orleans..lb. .05½- —
Kansas City.....lb. .06 - —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .60 - .61
Buckthorn bark, true, bls....lb. .75 - .80
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom.. dms...lb. .06 - .06¼
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
tankwagons, frt. alld...lb. .10¼- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 - —
dms., l.c.l., same terms.lb. .09½- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15¼- —
Stearate, dms.....lb. .33½- —
Butyric ether, bots.....gal. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02¼- .03

C

Cadmium, brom de, 25-lb. jars, 50 lbs. or more..lb. 1.65 - —
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .35 Nom.
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - —
Arsenate, bgs., c.l.....lb. .06½- .07½
l.c.l. .....lb. .06¾- .07¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd..ton.20.50 - 35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.

Calcium, gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms.... 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphate, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex essel Atlantic or Gulf ports..ton. No prices
tech., bbls., ton lots, works, lb. .12½- —
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt., unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .24 - —
l.c.l., ton.....lb. .25 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80% CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, bls .....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. 1.15 Nom.
slabs, cs.....lb. 1.15 Nom.
tablets, tins.....lb. 1.20 Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works...lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .04 - .04¾
Morocco, bgs.....lb. .0550- .0580
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .83 - .85
Carbasole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works...lb. .88 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works...lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66¼- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .90 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.45 - 1.60
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs.....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% jump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .23 - .24
5 tons, works.....lb. .23¼- .24½
smaller lots, works.....lb. .23½- .24½
80-100 mesh, works.....lb. .23½- .24½
5 tons, works.....lb. .23¾- .24¾
smaller lots, works.....lb. .24 - .25
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .22½- —
80-100 mesh, bgs., c.l., duty paid..lb. .23 - —
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .21½- .22
No. 1, regular, bls.....lb. .20½- .21
shortstick, bls.....lb. .18 - .18½
broken, bls.....lb. .16 - .16½
China, buds, bags.....lb. .14¼- .14¼
Rolls, select, bls.....lb. .16 - .16½
broken, extra, bls.....lb. .15 - .15½
Saigon, No. 1, 4-10-4, bls....lb. .33 - .34
10-6-2, bls.....lb. .34 - .36
all thin, bls.....lb. .36 - .37
Cassia fistula, bskts.....lb. .22 - .24
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —

Castor beans, Brazilian, ship't, c.&f., N. Y..long ton.69.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .95 - .98
Indian .....lb. .60 - .62
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld., lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld.....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia..ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0295- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works....ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works., ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd., N. Y....lb. .05¼- —
l.c.l., dlvd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75- —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls. solut., 8½%, cs., bbls.....lb. .21¼- — No price
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21

Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —

Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large crystal., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .23½- .24
5 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .26
Zanzibar .....lb. .16 - .16½
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07¼- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .22¾- .24
Cocillana bark, bgs.....lb. .22 - .23
Codeine, cns., 100 ozs.....oz. 1.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.36.00 - —
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .10 - .11
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .18 - .20¼
Chloride, anhyd., bbls.....lb. .19½- —
cryst. .....lb. .13½- .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.00 - 5.50
l.c.l., 16-50 bbls., same basis, 100 lbs. 5.15 - 5.65
6-15 bbls., same basis, 100 lbs. 5.25 - 5.75
1-5 bbls., same basis, 100 lbs. 5.50 - 6.00
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.95 - —
l.c.l., dealers.....100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .04 Nom
Coriander, bgs.....lb. .09¾- .10¼
bleached, bgs.....lb. .12 - .12½
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.52 - —
43°, bbls., c.l.....100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% potash, bgs., dlvd...unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton.34.50 - —
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls....lb. .20 - .45
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't lb. .52¼- —
smaller lots, bbls.....lb. .53 - —
kgs. .....lb. .53½- —
Creosote, beechwood, bots....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.20
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18¼

Cresol, USP, dms., c.l., works..lb. .10½- —
l.c.l., same basis.....lb. .10¾- —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l. .....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C..lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .48 - .50
powd., cs.....lb. .53 - .54
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .18½ - .19
Cyprus, bgs.....lb. .19 - .19½
Indian, bgs.....lb. .17¾ - .17¾
Persian, bgs.....lb. .17½ - .18
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works lb. .32 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

Dimethylaniline, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .36
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld.....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .43 - .45
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns. .....lb. .48 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.42.00 - —
Venezuelan .....ton.45.00 - —
Doggrass root, imp. cut, NF, bls. lb. .88 - 1.00
domestic, bls.....lb. .36 - .37
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05

Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C green, No. 1, cns., lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.85 - —
Orange, D&C orange, No. 5, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —

Cresol—Dyes

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 8.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .75
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .55 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, bls.....lb. .60 - .65
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common, dom., bbls...lb. .08¼ - .08¾
neutral, dom., obls.....lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08½- —
l.c.l., bgs. .....lb. .09½- .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - .20
l.c.l., dlvd.....lb. .19½- .20½
tanks, dlvd.....lb. .18 - .19
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .053 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., dlvd...lb. .28 - —
Diethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l. .....lb. .20½- —
tanks .....lb. .19 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .42
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, cleaned, bgs.....lb. .08¼- .08¾
Dimethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylamine, dms., c.l., dlvd.lb. .85 - —
l.c.l., dlvd.....lb. .90 - —

THE COUNTRY'S FOUNDERS, in uniting the separate colonies into one great nation under the Constitution of the United States, formed a notable merger of resources and facilities for the greater benefit of the people . . . their industries and commerce.

It is to this historic pattern, expanding the advantages of those we are privileged to serve . . . that the Niagara Alkali Company

"ORDAINED AND ESTABLISHED" FOR THOSE WE SERVE

"SIGNING OF THE CONSTITUTION," BY J. B. STERNS. REPRODUCED THROUGH COURTESY OF ROBERT FRIDENBERG GALLERIES.

and the Electro Bleaching Gas Company, affiliated since 1915, now unite as one enterprise in the fields of chemical research and manufacture under the name of Niagara Alkali Company.

As the Niagara Alkali Company, we will endeavor to solidify our new greatness by continuing to maintain the ideals and high principles of product integrity that always identified our services, while expanding the scope of these efforts for greater usefulness to both our old customers and new friends.

Niagara
ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
CAUSTIC POTASH · CAUSTIC SODA
PARA · CARBONATE OF POTASH
Liquid Chlorine

Dyes—Gum, Copal

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
- 186 Lake red R, powd....lb. 3.00 - 3.10
- Sulphur tan.....lb. .30 - .50
- 202 Chrome blue black U..lb. .32 - .40
- 204 Chrome black A.....lb. 1.75 - 2.00
- 208 Fast red blue R.....lb. .75 - 2.00
- 216 Chrome red B.....lb. 1.75 - 2.00
- 262 Cloth red 2B.....lb. .60 - .80
- 280 Fast cyanin 5R.....lb. .90 - 1.00
- 299 Chrome black F.....lb. .60 - .65
- 307 Fast cyanin black B..lb. .80 - .85
- 326 Direct cast scarlet....lb. 2.00 - 2.25
- 304 Paper yellow.....lb. .33 - .50
- 365 Chrysophenin G.....lb. .58 - .70
- 394 Direct violet N.....lb. 1.25 - 1.35
- 382 Direct scarlet B.....lb. 1.50 - 1.75
- 387 Direct violet B.....lb. 1.00 - 1.30
- 401 Developed black BHN, lb. .45 - .60
- 406 Direct blue 2B.....lb. .25 - .30
- 415 Direct orange R.....lb. .60 - .70
- 419 Direct fast red F.....lb. .75 - .85
- 420 Direct brown M.....lb. 1.00 - 1.10
- 448 Benzo purpurin 4B....lb. .40 - .42
- 495 Benzo purpurin 10B..lb. .40 - .50
- 502 Direct azurin G.....lb. .75 - .80
- 512 Direct blue RD.....lb. .80 - 1.00
- 518 Direct pure blue 6B..lb. 1.10 - 1.25
- 520 Direct pure blue.....lb. .50 - 1.00
- 529 Direct fast black, FF.lb. .55 - 1.00
- 581 Direct black EW.....lb. .25 - .60
- 582 Direct black RX.....lb. .35 - .45
- 593 Direct green B.....lb. .75 - .80
- 594 Direct green G.....lb. 1.00 - 1.05
- 596 Direct brown 3GO....lb. .85 - 1.00
- 629 Direct yellow R.....lb. 1.25 - 1.50
- 698 Acid violet.....lb. 1.00 - 3.00
- 812 Primulin .....lb. .50 - .52
- 814 Direct fast yellow...lb. 2.00 - 2.25
- 842 Nigrosin (water soluble), lb. .35 - .50
- 1177 Indigo, 20 p.c. paste..lb. .15 - .16
- Benzo fast black L...lb. .90 - 1.00
- Sulphur black.....lb. .20 - .25
- Sulphur blue.....lb. .40 - 1.00
- Sulphur brown.....lb. .25 - .50
- Sulphur maroon.....lb. .40 - —
- Sulphur olive.....lb. .25 - .54
- Sulphur yellow.....lr. .30 - .50
- Zambesi black.....lb. .75 - .80

Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
- Black:—
- 865 Nigrosin derivatives..lb. .38 - .62
- Blue:—
- 1075 Alizarin astrol base...lb.15.00 - —
- 1078 Alizarin cyanin green base..lb. 6.00 - —
- Brown:—
- Brown .....lb. 1.15 - —
- Green:—
- 1078 Alizarin cyanin green.lb. 5.00 - —
- Green .....lb. .75 - —
- Orange:—
- 24 Sudan I.....lb. .75 - —
- Red shade.....lb. .75 - —
- Red:—
- 75 Sudan II.....lb. 1.05 - —
- 258 Sudan IV.....lb. .95 - —
- 749 Rhodamine B (oil pink), lb. 2.50 - —
- 1080 Anthraquinone violet base..lb. 6.00 - —
- 680 Oil violet.....lb. .50 - —
- Yellow:—
- 15 Amidoazobenzene yellow..lb. .90 - —
- 17 Amidoazotoluene yellow, lb. .75 - —
- 61 Yellow OB.....lb. 1.40 - —

Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
- Black:—
- 864 Nigrosin.....lb. .38 - .44
- Blue:—
- 860 Indulin.....lb. .60 - .70
- Brown:—
- 331 Bismarck brown.....lb. 1.50 - —
- Green:—
- 637 Malachite green base.lb. 2.00 - —
- Orange:—
- 20 Chrysoidin G.....lb. .95 - —
- 21 Chrysoidin R.....lb. .95 - —
- Red:—
- 677 Fuchsin, magenta base, lb. 7.25 - —
- 749 Rhodamine B.....lb. 4.75 - —
- Yellow:—
- 67 Amidoazotoluene yellow, lb. .75 - —
- 655 Auramine.....lb. 2.00 - —
- 800 Chinolin yellow SS...lb. 2.00 - —
- Violet:—
- 650 Methyl violet base....lb. .85 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—
- Black:—
- 246 Naphthol blue black S.lb. .50 - —
- 873 Methylene gray.....lb. 1.50 - —
- Blue:—
- 714 Patent blue A.....lb. 1.05 - 1.10
- 729 Victoria blue B.....lb. 1.85 - —
- 861 Indulin .....lb. .37 - —
- 900 New blue R.....lb. 1.30 - —
- 922 Methylene blue.....lb. 1.00 - —
- 954 Alizarin saphirol B....lb. 1.90 - —
- 1180 Indigotin IA.....lb. .85 - —
- Brown:—
- 294 Resorcin brown Y.....lb. .66 - —
- 235 Resorcin dark brown R, lb. .66 - —
- 251 Bismarck brown G....lb. .42 - .57
- 332 Bismarck brown R....lb. .42 - .57
- 706 Phosphin .....lb. 4.65 - —
- Green:—
- 6 Naphthol green B.....lb. 1.00 - —
- 657 Malachite green.....lb. 1.35 - —
- 662 Brilliant green.....lb. 2.00 - —
- 666 Guinea green B.....lb. 1.15 - —
- 757 Wool green S.....lb. .58 - —
- 924 Methylene green B....lb. 1.55 - —
- 1078 Alizarin cyanin green.lb. 2.35 - —
- Orange:—
- 10 Chrysoidin G.....lb. .40 - —
- 21 Chrysoidin R.....lb. .37 - —
- 27 Orange G.....lb. .50 - —
- 151 Orange T.....lb. .30 - —
- 161 Orange R.....lb. .34 - —
- 31 Amidonaphthol red G..lb. .42 - —
- 87 Amidonaphthol red 6B, lb. .68 - —
- 79 Popceau R.....lb. .48 - —
- 88 Fast red B.....lb. 1.50 - —
- 176 Fast red A.....lb. .54 - —
- 179 Azorubin .....lb. .60 - .62
- 183 Crocein scarlet 3BX...lb. .72 - .75
- 185 Cochineal red A.....lb. .60 - —
- 252 Brilliant crosein M....lb. .68 - —
- 677 Fuchsin .....lb. 2.10 - —
- 740 Rhodamine B.....lb. 3.50 - —
- 752 Rhodamine 6G.....lb. 4.50 - —
- 768 Eosin G.....lb. 1.50 - —
- 841 Safranin .....lb. 1.45 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—
- Violet:—
- 680 Methyl violet B.....lb. .75 - —
- 681 Crystal violet C.....lb. 1.75 - —
- 695 Acid violet 4BN.....lb. .88 - —
- Yellow:—
- 10 Naphthol yellow S....lb. .88 - —
- 138 Metanil yellow.....lb. .52 - —
- 636 Fast light yellow.....lb. 1.25 - —
- 639 Xylene light yellow...lb. 1.15 - —
- 840 Tartrazin .....lb. .80 - —
- 685 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

- Echinacea root, bls.....lb. .18 - .19
- Egg albumen (see Albumen).
- yolks, dried, dom., bbls.....lb. .90 - —
- imported .....lb. .80 - —
- Elder flowers, bright, bls.....lb. .75 - .80
- Elecampane root, bls.....lb. .14 - .15
- Elm bark, grinding, bls.....lb. .11 - .12
- powd., bbls., bxs.....lb. .19 - .20
- select, bndls.....lb. .19 - .21
- Emetine hydrochloride, bots....oz.24.00 -28.80
- Ephedra, bls.....lb. .12 - .13
- Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .60 - —
- 100 ozs.....oz. .70 - —
- anhyd., dms., 1,000-oz. lots.oz. .65 - —
- 100-oz. lots.....oz. .75 - —
- Hydrochloride, tins, 1,000-ozs. lots..oz. .45 - —
- 100-oz. lots.....oz. .55 - —
- Sulphate, cryst., tins, 1,000-oz. lots..oz. .42 - —
- 100-oz. lots.....oz. .53 - —
- Epsom salt, tech., bgs....100 lbs. 1.80 - —
- bbls. .....100 lbs. 1.90 - —

Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
- USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
- l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.25 - —
- smaller lots....100 lbs. 2.50 - —
- bbls., c.l.....100 lbs. 2.10 - —
- l.c.l., 5,000 lbs., 1 with-drwal..100 lbs. 2.35 - —
- smaller lots....100 lbs. 2.60 - —
- kgs., c.l.....100 lbs. 2.35 - —
- l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.60 - —
- smaller lots....100 lbs. 2.85 - —
- dried, bgs., l.c.l.....lb. .08 - .09
- Ergot, USP, cns., dms.....lb. 2.00 - 2.10
- Eserine, bots.....oz.50.00 -72.00
- Salicylate, bots.....oz.42.00 -45.00
- Sulphate, bots.....oz.42.00 -45.00
- Ether, acetic (see Ethyl acetate).
- Butyl, l.c.l., dlvd.....lb. .26 - .28
- Ethyl (see Ether, sulphuric).
- Nitrous, conc., bots., 100 lbs., lb. .73 - —
- Sulphuric, conc., 310-lb. dms.lb. .11 - —
- 27-lb. dms.....lb. .16 - —
- Synth., dms., c.l., works.....lb. .10 - —
- l.c.l., works.....lb. .11 - —
- tanks .....lb. .08 - —
- USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
- Ethyl acetate, 85-90%, dms., c.l., frt alld..lb. .08½- —
- l.c.l., frt. alld.....lb. .09 - —
- tanks, frt., alld.....lb. .07½- —
- 95-99%, dms., c.l., frt. alld.lb. .08¾- —
- l.c.l., frt. alld.....lb. .09¼- —
- tanks, frt. alld.....lb. .07¾- —
- NF, 190-lb. dms.....lb. .09 - —
- cns., 35 lbs.....lb. .13 - .14
- Acetoacetate, dms., c.l., wks.lb. .27½- —
- l.c.l., dms., works.....lb. .28 - —
- Benzoate, bots.....lb. 1.00 - 1.25
- Bromide, tech., dms.....lb. .50 - .55
- Caproate, cns.....lb. 1.06 - —
- Chloride, dms.....lb. .18 - .20
- Cinnamate, cns.....lb. 3.50 - 3.75
- Formate, cns., dms.....lb. .25 - .26
- Iodide, bots.....lb. 3.50 - 3.60
- Lactate, 55-gal. dms., works, lb. .33½- —
- 5-gal. dms., works.....lb. .37½- .39½
- Oenanthate, dms.....lb. .75 - 1.25
- Oxalate, dms., frt. alld.....lb. .25 - —
- Oxyhydrate, bots.....gal. 4.00 - 6.00
- Silicate, l.c.l., dms., wks....lb. .77 - —
- Vanillin, 25-lb. lots, cns....lb. 6.00 - —
- 5-lb. lots, cns.....lb. 6.06 - —
- 1-lb. lots, cns.....lb. 6.13 - —
- Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
- less than 5,000 lbs., same basis..lb. .47 - —
- Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0742- —
- West of Rockies, same basis..lb .0792- —
- l.c.l., works, E. of Rockies, frt. alld..lb. .0795- —
- West of Rockies, same basis..lb. .0841- —
- Ethyleneglycol, dms., c.l.....lb. .14½- —
- l.c.l. .....lb. .15½- .18½
- tanks .....lb. .13½- —
- Monobutylether, dms., c.l., wks. lb. .16½- —
- l.c.l., works.....lb. .17½- .20½
- tanks, works.....lb. .15½- —
- monoethylether, dms., c.l., works..lb. .14½- —
- l.c.l., works.....lb. .15½- .16½
- tanks, works.....lb. .13½- —
- Monoethylether, acetate, dms., c.l., works.....lb. .11¼- —
- l.c.l., dms.....lb. .12½- .15½
- tanks, works.....lb. .10¼- —
- Monomethylether, dms., c.l., works..lb. .15½- —
- l.c.l., works.....lb. .16½- —
- tanks, works.....lb. .14½- —
- Ethylidinaniin, dms.....lb. .45 - .47½
- Eucalyptol, cns., dms.....lb. .90 - .95
- Eucalyptus leaves, bls.....lb. .11 - .12
- Eugenol, cns., dms.....lb. 2.00 - 2.10
- Euphorbia, bls.....lb. .09 - .10

F

- Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
- l.c.l., minimum 2 tons...ton.17.00 -20.50
- glass, 20 mesh, bulk, works.ton. 9.75 -12.25
- l.c.l., minimum 2 tons...ton.12.75 -16.25
- pottery, bulk, Me., works....ton.17.00 -19.00
- N. C., works.....ton.17.00 -19.00
- l.c.l., minimum 2 tons.ton.20.00 -22.00
- Fennel seed, Argentine, bgs...lb. .16 - .16¼
- Indian, bags.....lb. .09 - .09½
- French, bgs.....lb. No stocks
- German, large, bgs.....lb. No stocks
- Roumanian, bgs.....lb. .11½- .12
- Fenugreek, seed, bgs.....lb. .07 - .07½
- Ferric, sulphate, anhyd., c.l., works...ton.35.00 - —
- l.c.l. .....ton.40.00 - —
- Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
- smaller lots, works....lb. .13 - —
- light, cs., 1,000 lbs. or over, works..lb. .13 - —
- smaller lots, works....lb. .15 - —
- water white, cs., 1,000 lbs. or over, works..lb. .14 - —
- smaller lots, works....lb. .15 - —
- Fir balsam, Canada, cns.....gal.16.50 -17.00
- Oregon, bbls.....gal. 1.10 - 1.25
- Fish berries, bgs.....lb. .36 - .37
- Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 4.25 & .10
- meal, bgs., f.o.b. Balto.....ton.65.00 - —
- 6-7% ammon., 8% phosphor. acid, bulk, Chesapeake Bay factories, contracts...unit-ton. 2.75 & .80
- sardine, Japanese, 11½% ammon. bgs., c.l.f. ports..ton. No prices
- Flake white, dom., bbls.....lb. .09 - —
- kegs .....lb. .11 - —
- Flaxseed, French, black, bgs..lb. .55 - .60
- Indian, blonde, bgs.....lb. .11 - .13
- Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines.. net ton.30.00 - —
- washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines.net ton.22.00 -23.00
- No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.22.00 -23.00
- imported, 85.5, duty paid, short ton. No prices
- Formaldehyde, bbls., c.l., works, lb. .0550- .0575
- l.c.l., works.....lb. .06 - .0625
- dms., c.l., works.....lb. .0515- .0540
- l.c.l., works.....lb. .0565- .0590
- tanks .....lb. .04 - .04¼
- Fringetree bark, bls.....lb. .14 - .15
- Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton.15.00 - —
- import, bgs., c.l., ex dock.ton. No prices
- l.c.l., ex whse.....ton. No prices
- Furfural, ref., dms., c.l., works, lb. .15 -
- l.c.l., works.....lb. .17½- .25
- tech., dms., contracts, 150,000 lbs..lb. .10 - —
- c.l., works.....lb. .12½- —
- l.c.l., works.....lb. .15 - .20
- tanks, works.....lb. .09 - —
- Fusel oil, refd., dms., incl., dlvd., lb. .17½- .10½
- Fustic, cryst., bgs., No. 1....lb. .30 - —
- No. 2....lb. .28 - —
- No. 3..lb. .26 - —
- extract, bbls., No. 1.....lb. .15 - —
- No. 2..lb. .14 - —
- No. 3..lb. .11½- —

G

- G salt, bbls.....lb. .45 - —
- Galangal root, bls.....lb. .11 - .12
- Gambier, common, cases.....lb. .09 Nom.
- plantation, cases.....lb. .12 Nom.
- cubes, Singapore, cases..lb. .10 Nom.
- extract, bbls.....lb. .09½- .12
- Gasoline at refinery:—
- Bayonne, US motor, tanks, ex tax..gal. .07½- .08
- California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
- Gulf Coast, US motor, 72-74 octane, tanks, ex tax...gal. .07½- —
- Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .05⅞- .06½
- Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05⅝- .06⅜
- natural, 18-55, tanks....gal. .03⅝- .04
- 36-70, tanks.....gal. .03⅝- —
- Gelatine, silver, cs.....lb. .70 - .77
- Gelsemium root, bls.....lb. .14 - .15
- Gentian root, bls.....lb. .70 - .72
- grd., bbls., bxs.....lb. .72 - .74
- powd., bbls., bxs.....lb. .74 - .76
- Geraniol, 92-96%, cns., dms...lb. 2.35 - 2.50
- other grades, cns., dms.....lb. 1.50 - 2.25
- soap, cns., dms.....lb. .90 - 1.35
- Ginger, African, No. 1, bgs...lb. .19½- .20
- Cochin, lemon, nearby, bgs.lb. .17½- .18
- Jamaica, bold, bgs.....lb. .34 - .35
- medium, bgs.....lb. .32 - .33
- grinding, bright, bgs....lb. .30 - .31
- Japanese, bgs.....lb. No stocks
- Ginseng root, wild Southern, cs. lb.12.00 -13.00
- Glauber's salt, anhyd. (see Soda Sulphate).
- cryst., dom., bgs., bbls., c.l., works...100 lbs. 1.05 - 1.25
- 5 tons or over, works, 100 lbs. 1.15 - 1.35
- less than 5 tons, works, 100 lbs. 1.25 - 1.45
- import, bgs.....100 lbs. No prices
- Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .16 Nom.
- l.c.l., dlvd.....lb. .16½ Nom.
- 36/58 bgs., c.l., dlvd.....lb. .15½ Nom.
- l.c.l., dlvd.....lb. .16 Nom.
- 58/82 bgs., c.l., dlvd.....lb. .17 Nom.
- l.c.l., dlvd.....lb. .17½ Nom.
- 82/108 milliopose, bgs., c.l., dlvd..lb. .17½ Nom.
- l.c.l., dlvd.....lb. .18 Nom.
- hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. lb. .18 Nom.
- l.c.l., same basis.....lb. .18½ Nom.
- 60/164, bgs., c.l., same basis, lb. .18½ Nom.
- l.c.l., same basis.....lb. .20 Nom.
- 67/122, bgs., c.l., same basis, lb. .20½ Nom.
- l.c.l., same basis.....lb. .21 Nom.
- 75/222, bgs., c.l., same basis, lb. .23½ Nom.
- l.c.l., same basis.....lb. .24½ Nom.
- 68/251, bgs., c.l., same basis, lb. .23½ Nom.
- l.c.l., same basis.....lb. .25½ Nom.
- 92/283, bgs., c.l., same basis, lb. .25½ Nom.
- l.c.l., same basis.....lb. .26½ Nom.
- 102/315, bgs., c.l., same basis..lb. .26½ Nom.
- l.c.l., same basis.....lb. .27 Nom.
- 112/347, bgs., c.l., same basis..lb. .27 Nom.
- 125/379, bgs., c.l., same basis..lb. .28 Nom.
- l.c.l., same basis.....lb. .29 Nom.

Glue prices for barrel packing, ½c. per lb. higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
- Glycerin, CP, cns., l.c.l.....lb. .16½- .17
- dms., c.l., dlvd.....lb. .14½- —
- l.c.l., dlvd.....lb. .15 - —
- tanks, dlvd.....lb. .14¼- —
- dynamite, dms.....lb. Nominal
- high gravity, dms., c.l., dlvd.lb. .14 - —
- l.c.l., dlvd.....lb. .14½- —
- tanks, dlvd.....lb. .13¾- —
- Glycerin, saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd...lb. .15½ Nom.
- l.c.l., same basis..lb. .16½ Nom.
- tanks .....lb. .15 Nom.
- refiners, dms., returnable, tanks, dlvd..lb. .14 Nom.
- soaplye, basis 80%, dms., returnable, tanks, dlvd..lb. .13 Nom.
- Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
- Glycol boriborate, dms.....lb. .22 - —
- Phthalate, dms.....lb. .38 - —
- Stearate, dms.....lb. .26 - —
- Gold, U.S. purchase price....oz.35.00 - —
- Chloride, acid brown, both..oz.20.75 -21.00
- yellow, bots.....oz.18.75 -19.00
- Gold-soda chloride, photo., bots., oz.13.00 - —
- USP IX, bots.....oz.14.50 -14.75
- Gold of pleasure, seed, bgs....lb. .18¼- .19
- Goldenseal, root, bls.....lb. 2.50 - 2.60
- powd., bxs.....lb. 2.75 - 2.85
- Grains of paradise, bgs.....lb. .37 - .38
- Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
- bbls., c.l., works.....lb. .07¼- —
- l.c.l., works.....lb. .07¾- —
- Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
- l.c.l., works.....lb. .03¼- —
- bbls., c.l., works.....lb. .02¾- —
- 80% graphite, carbon, bgs., c.l., works..lb. .03½- —
- bbls., c.l., works.....lb. .03¾- —
- l.c.l., works.....lb. .04½- —
- Grease, house.....lb. .07½ Nom.
- white .....lb. .08 Nom.
- yellow .....lb. .07½ Nom.
- Wool (see Adeps lanae and Degras).
- Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
- 6-10%, bbls., same basis..lb. .22 - —
- 11-15%, bbls., same basis.lb. .23 - —
- 16-20%, bbls., same basis.lb. .23½- —
- 21-25%, bbls., same basis.lb. .24 - —
- 26-30%, bbls., same basis.lb. .24½- —
- 31-35%, bbls., same basis.lb. .25½- —
- 36-40%, bbls., same basis.lb. .27 - —
- 41-45%, bbls., same basis.lb. .28½- —
- 46-50%, bbls., same basis..lb. .30 - —
- Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
- reduced, CP, color content up to 5%, same basis..lb. .06 - —
- 9-10%, bbls., same basis, lb. .06¾- —
- 11-13%, bbls., same basis.lb. .07¼- —
- 14-16%, bbls., same basis, lb. .07½- —
- 17-19%, bbls., same basis, lb. .07¾- —
- 20-21%, bbls., same basis, lb. .08 - —
- 22-23%, bbls., same basis, lb. .08¼- —
- 24-25%, bbls., same basis, lb. .08½- —
- 26-27%, bbls., same basis, lb. .08¾- —
- 28-29%, bbls., same basis, lb. .09¼- —
- 30-31%, bbls., same basis, lb. .10 - —
- 32-33%, bbls., same basis, lb. .11¼- —
- 34-35%, bbls., same basis, lb. .12¼- —
- 36-40%, bbls., same basis, lb. .14¼- —
- 41-45%, bbls., same basis, lb. .16¼- —
- 46-50%, bbls., same basis, lb. .16¾- —
- 51-55%, bbls., same basis, lb. .17¼- —
- 56-60%, bbls., same basis, lb. .17¾- —
- 61-65%, bbls., same basis, lb. .18¼- —
- 66-70%, bbls., same basis, lb. .19¼- —
- 71-75%, bbls., same basis, lb. .20¼- —
- Oxide, dom., pure, bbls.....lb. .25 - —
- ceramic, light shades, bbls., c.l., works..lb. .25 - —
- l.c.l. works.....lb. .30 - —
- standard grade, bbls., works..lb. .21 - .23
- Tetrahydroxide, bbls.....lb. .65 - —
- Paris (see P).
- Tunstated, brilliant, kgs.....lb. 3.75 - —
- emerald, kgs.....lb. 2.60 - —
- Verdigris (see V).

Green dyes are listed under Dyes.
- Grindelia robusta, bls.....lb. .09 - .10
- Guaiac resin, cs.....lb. .30 - .35
- strained, cs.....lb. .85 - .90
- Wood, bls.....lb. .04 - .06
- Guaiacol, liq., dms.....lb. 1.55 Nom.
- Carbonate, 5lb. dms., 25 lbs..lb. 2.40 - 2.74
- Gum, guarana, powd., cs.....lb. 1.20 - 1.25
- Aloe (see A).
- Ammoniac, tears, cs.....lb. .80 - .85
- Arabic, amber sort, cleaned, bgs..lb. .20 - .21
- white, sorts, 1, bgs.....lb. .37 - .38
- powd., bbls.....lb. .23 - .24
- Asafetida (see A).
- Asphaltum (see A).
- Benzoin, Siam, cs.....lb. 2.80 - 2.90
- Sumatra, cs.....lb. .23 - .24
- Camphor (see C).
- Chicle, prime, 13% moisture, bgs., ton lots..lb. .40 - .42
- Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —
- Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
- 2, water white, bgs., c.l., same basis..lb. .29½- —
- 3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
- 4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
- 5, pale straw bold, bgs., c.l., same basis..lb. .22½- —
- 6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
- 7, pale straw bold, bgs., c.l., same basis..lb. .17 - —

Gum, copal, Congo, 8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅜- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13⅜- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12⅜- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09½ - —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅝- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same bais..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅜- —
22, small mixed nubs, bgs., same basis..lb. .10⅜- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅛- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17⅛- —
25, pale small nubs, c.l., same basis..lb. .10⅜- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .08⅝- —
Batu, bold scraped, bgs....lb. .10¼- —
unscraped, bgs.....lb. .09¼- —
chips, bgs.....lb. .06⅝- —
dust, bgs.....lb. .06⅝- —
nubs and chips, bgs.....lb. .06⅞- —
black, bold, scraped, bgs..lb. .10⅞- —
unscraped, bgs.....lb. .07½- —
nubs and chips, bgs.....lb. .07¼- —
Hiroe, Macassar, pale bold, bgs..lb. .14½- —
chips, bgs.....lb. .08⅜- —
dust, bgs.....lb. .06⅝- —
nubs, bgs.....lb. .11½- —
Singapore, Rasok, bold, bgs., lb. .17⅝- —
chips, bgs.....lb. .10½- —
dust, bgs.....lb. .06¼- —
nubs, bgs.....lb. .14⅞- —
Manila, Boeas, amber and dark, bskts.....lb. .14 - —
light, bskts.....lb. .15⅝- —
Loba A, bskts.....lb. .13⅞- —
B, bskts.....lb. .13½- —
C, bskts.....lb. .13¼- —
CNE, bskts.....lb. .10½- —
D, bskts.....lb. .12½- —
DK, bskts.....lb. .09¾- —
dust, bskts.....lb. .07⅞- —
Sambas and white split chips, bskts..lb. .15⅝- —
Singapore, dust, bskts.....lb. .07⅞- —
Spirit-soluble, CBB, bskts., lb. .12⅞- —
DBB, bskts.....lb. .11⅝- —
MA, bskts.....lb. .10¼- —
MB, bskts.....lb. .09⅝- —
WS, bskts.....lb. .11⅝- —
Philippine, Manila, amber sorts, bskts..lb. .09¼- —
chips, bale, bskts.....lb. .11¼- —
pale, small, bskts.....lb. .11 - —
extra pale, sorts, bskts..lb. .12 - —
nubs, bskts.....lb. .13¼- —
scraped, bskts.....lb. .14⅝- —
seeds and dust, bskts....lb. .08½- —
Pontianak, bold, genuine, bgs., lb. .18¾- —
mixed, bgs.....lb. .17⅞- —
split, bgs.....lb. .17⅞- —
chips, bgs.....lb. .11⅞- —
nubs, bgs.....lb. .16⅞- —
Dammar, Batavia, A, cs., same basis as copal..lb. .25½- —
A/C, cs.....lb. .22½- —
A/D, cs.....lb. .19⅝- —
A/E, cs.....lb. .17½- —
B, cs.....lb. .23⅞- —
C, cs.....lb. .19⅝- —
D, cs.....lb. .17½- —
dust, cs.....lb. .08⅞- —
E, cs.....lb. .12⅜- —
F, cs.....lb. .09¼- —
Singapore, 1, cs.....lb. .22⅝- —
2, cs.....lb. .17¼- —
3, cs.....lb. .08⅜- —
chips, cs.....lb. .15⅝- —
dust, cs.....lb. .08⅜- —
seeds, cs.....lb. .12⅜- —
Elemi, cns, same basis as copal..lb. .08½- —
Ester, ordinary, c.l., dms., contract, divd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .07½- .09
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .08 - .09½
Pacific Coast (water shipt.)..lb. .07½- .10
Other points.....lb. .07⅝- .10¼

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .33 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
50% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17⅝- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls....lb. 1.40 Nom.
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb .20 - .35
Opium (see O.).
Rosin (see R).
Gum, sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls. .....280 lbs.16.50 - —
Tragacanth, Aleppo, 1 cs....lb. 3.00 - 3.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.60 - 2.60
Yacca, bgs.....lb. .03½- .04

Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 5.00 - —
Gypsum, stucco, terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla..ton.12.00 - —
Harlem River, N. Y..ton.12.00 -
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .32 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
No. 4..lb. .24 - —
No. 5..lb. .22 - —
paste, bxs, No. 1.....lb. .13¼- —
No. 2.....lb. .12½- —
No. 3.....lb. .11½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07¼
Henbane leaves, bbls.....lb. 3.40 Nom.
Henna leaves, bls.....lb. .27 - .28
powd., bbls., bxs.....lb. .30 - .51
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 -

Gum Copal—Hydrofuramide

Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3.. gal. .24 - —
l.c.l., 5 or more, divd., Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -23.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.65 - 2.75
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.15.00 - —
Hydrochloride, bots., 4 oz....oz.15.00 - —
Sulphate, bots, 4 ozs.....oz.15.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —

number 1 job of this great plant

Our primary motive is—and always has been—to furnish Calco customers with the finest dyes and the most practical, helpful service we know how to provide.

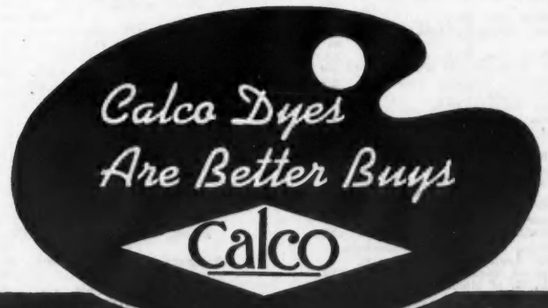
We intend to continue doing just that. At the same time, our obligations to America—just like yours—must come first right now. Among other things, this means doing our full share in supplying intermediates to meet the nation's vast requirements for defense. This we are especially well equipped to do. Because, of necessity, more than three-fourths of our entire plant is already devoted to the production of intermediates—without which there would be no Calco dyes.

Defense comes first, of course. But, with your help we can do a whole lot better job of making our intermediate capacity cover your needs for dyes as well.

Please keep your orders in line with your actual current requirements. That will help us—and everyone else concerned—to give National Defense the right-of-way—and still meet your requirements for dyes as you really need them.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey

Boston · Philadelphia · Providence · New York · Charlotte · Chicago



Hydrogen Perox.—Mangan. Glyc

Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 3.90 Nom.
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots.....oz. 21.25 -27.50
Hydrobromide, bots.....oz. 21.25 -27.50
Sulphate, bots.....oz. 21.25 -27.50
Hypernic, cryst., bgs., No. 1..lb. .40 - —
No. 2..lb. .32 - —
extract, bbls, No. 1.....lb. .23 - —
No. 2..lb. .18 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz. 12.50 - —
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns.....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.80 - 1.90
powd., bxs.....lb. 1.85 - 1.90
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hyposulphite, bbls., dms.....lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works...lb. 0.060 - —
tanks, works.....lb. 0.0760 - —
Propionate, dms., works...lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. .08½- —
l.c.l., E. of Rockies, frt. alld..lb. .09 - —
tanks, E. of Rockies, frt. alld..lb. .07½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .37 - .48
powd., bbls, bxs.....lb. .42 - .53
resin, lump, 100-lbs. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .75 - .90

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0520- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04½- .04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04¾- .04¾
Pennsylvania, 45 w.w., tanks, gal. .05½- .06
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs. 10.75 -11.00
Middlewestern, trcs....100 lbs. 10.40 -10.50
Neutral, trcs.....100 lbs. 11.00 -11.25
Western, choice, trcs..100 lbs. 10.50 -10.60
Compound, trcs.....100 lbs. 14.50 -14.75
Larkspur seed, bgs.....lb. 2.10 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .48 - .49
Portuguese, bls.....lb. .28 - .30
Turkish, bls.....lb. .58 - .60
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead acetate, white, broken, bbls., lb. .12 - .12½
cryst., bbls.....lb. .12 - .12½
gran., bbls.....lb. .12¾- .13¼
powd., bbls.....lb. .12¾- .13¾
Arsenate, bgs., c.l.....lb. .09 - .11
l.c.l., bgs.....lb. .09½- .11½
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¾- —
l.c.l., divd. E.....lb. .07 - —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07½- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 500-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works...lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0835- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08¾- —
smaller lots, Ala., etc. lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, divd. Ala..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
98% Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, divd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 90% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09¼- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. 6.50 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l., (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., divd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., divd. Ariz., etc.....lb. .07 - —
other points.....lb. .06¾- —
l.c.l., divd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .12¼- —
dealers.....lb. .11¼- —
painters.....lb. .12¾- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b. N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
Lecithin, edible, grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis. lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .28 Nom.
powd., bbls, bxs.....lb. .33 Nom.
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Wa.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Va.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b.
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton. 11.00 - —
Rockland, Me.....ton. 10.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .06½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., cons., sumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, divd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4 ,tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, divd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 3.00 - 3.50
90%, cns.....lb. 4.00 - 4.50
92%, cns.....lb. 5.50 - 6.20
Linden flowers, with leaves, bls.lb. .70 - .75
without leaves, bls.....lb. .65 Nom.
Linseed, meal, bgs.....ton. 27.50 - —
Litharge, com'l powd., bbls., 20-tons, divd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
Litharge, com'l, powd., bbls., 20-tons, divd., other points..lb. .0735- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, divd., Ala..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. cms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 3.30
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05½- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .06¾- —
smaller lots.....lb. .05¾- —
Ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —
Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ½c. higher ex whse. Pac. Cst.
Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .25 - .36
Logwood, cryst., bgs., No. 1...lb. .26 - —
No. 2..lb. .24 - —
extract, bbls., No. 1.....lb. .13 - —
No. 2..lb. .12 - —
No. 3..lb. .11¼- —
No. 4..lb. .09 - —
solid, bxs., No. 1.....lb. .22 - —
No. 2..lb. .20 - —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .43 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .30 - .31
Siauw, cs.....lb. .37 - .38
West Indian, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06½- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07½- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08½- —
kgs.....lb. .09¼- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including divd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., divd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons. 32.00 - —
l.c.l., bbls., wks.....ton. 39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate bbls., ctns., 1 ton..lb. .28 - —
smaller lots.....lb. .29 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs...ton. 67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 Nom.
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .14 - .15
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton. 71.50 - —
5-15 tons, works.....ton. 74.50 - —
½, 4 tons, works.....ton. 79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works....ton. 77.00 - —
smaller lots, works..ton. 82.00 - —
burlap bgs., c.l., works. ton. 71.75 - —
l.c.l., 5 tons, works...ton. 74.75 - —
smaller lots, works...ton. 79.75 - —
paper bgs., c.l., works...ton. 70.00 - —
l.c.l., 5 tons, works....ton. 73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 2.90 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —

Manganese, hydrate, bbls., dlvd. lb. .82 - —
Iodide, bots., 5 lbs. lb. 5.70 - —
jars, 25 lbs. lb. 5.55 - —
Linoleate, liquid, 4%, dms. lb. .18 - .19½
solid, precip., 8.2%, bbls. lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports, unit-ton. .71 Nom.
Resinate, fused, 8½%, bbls. ton. .08½- .08½
precip., dms. lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10½- —
single, bbls, works lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South. ton.57.00 - —
l.c.l., bgs. ton.65.00 -75.00
Mangrove bark, bgs., shipt. ton.37.00 -38.00
Manna flake, large, cs. lb. 2.00 Nom.
small, cs. lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works. lb. .35 - —
smaller lots, works. lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works. lb. .85 - —
Marble flour, bgs. ton.12.00 -14.00
Marjoram, French, No. 1. lb. .60 Nom.
Tunisan, bls. lb. .32 - .33
Chilean lb. .12 - .12½
Menthol, natural, Chinese, cs. lb. 7.00 - 7.50
Japanese, cs. lb. 7.00 - 7.50
synthetic, USP, cs. lb. No prices
Menthyl salicylate, tins, 100-lb. lots. lb. 3.00 - —
25-lb. lots. lb. 3.10 - —
Mercurial ointment, 30%, pails. 50 lbs. lb. 1.34 - —
25 lbs. lb. 1.36 - —
50%, pails, 50 lbs. lb. 1.94 - —
25 lbs. lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots. lb. 2.82 - —
100-lb. fib. dms. lb. 2.69 - —
25-lb. jars lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst. lb. 4.00 - 4.05
powd. lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots. lb. 4.51 - —
100-lb. fib. dms. lb. 4.40 - —
yellow, 5-lb. bots. lb. 4.61 - —
fib. dms., 100 lbs. lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more. lb. 3.38 - —
Mesityl oxide, dms., c.l., dlvd. lb. .11½- —
l.c.l., dlvd. lb. .12 - —
Mercury and chalk, 5-lb. ctns. lb. 1.85 - —
25-lb. fib. dms. lb. 1.73 - 1.75
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in. pkg. 2.50 - —
composition, 5½x5½ in. pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in. pkg. 5.00 - —
Metanitroparatoluidin, bbls. lb. 1.05 - 1.10
Metaphenylenediamine, kgs. lb. .65 - —
Metatoluylenediamine, kgs. lb. .70 - —

Methanol, natural, producer group A, denat., grade tanks. gal. .60 - —
95%, tanks. gal. .73 - —
97%, tanks. gal. .75 - —
Pure, dms. gal. .86 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld., Zone 1. gal. .40 - —
Zone 2. gal. .42 - —
Zone 3. gal. .44 - —
Zone 4. gal. .44½- —
dms., c.l., Zone 1. gal. .45½- —
Zone 2. gal. .47½- —
Zone 3. gal. .49½- —
Zone 4. gal. .51½- —
l.c.l., Zone 1. gal. .48½- —
Zone 2. gal. .65½- —
Zone 3. gal. .52½- —
Zone 4. gal. .65½- —

Group B, 95% frt. alld., prices 2c. more than pure, all zones.

97% frt. alld., prices 1c. more than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld. gal. .35½- —
2, frt. alld. gal. .37½- —
3, frt. alld. gal. .39½- —
4, frt. alld. gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd. gal. .38 - —
2, frt. alld. or dlvd. gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd. gal. .53½- —
tanks, Zone 1, frt. alld. gal. .30 - —
2, frt. alld. gal. .32 - —
3, frt. alld. gal. .34 - —
4, frt. alld. gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev. Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R. lb. .10½- .12
W. of Miss. R. lb. .11½- .13
l.c.l., dms., dlvd., E. of Miss. R. lb. .11 - .12½
W. of Miss. R. lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R. lb. .10½- —

Methyl, acetate, tech., dms., c.l., dlvd. E. of Miss. R. lb. .07 - .09
W. of Miss R. lb. .08 - .10
l.c.l., dlvd. E. of Miss. R. lb. .07½- .09½
W. of Miss. R. lb. .08½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R. lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld. lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks. gal. .60 - —
Methyl acetone, dms., c.l., same basis. gal. .66 - —
l.c.l., same basis. gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1. gal. .50 - —
Zone 2. gal. .53 - —
Zone 3. gal. .54 - —
Zone 4. gal. .54½- —
dms., c.l., Zone 1. gal. .55½- —
Zone 2. gal. .57½- —
Zone 3. gal. .59½- —
Zone 4. gal. .61½- —
l.c.l., Zone 1. gal. .58½- —
Zone 2. gal. .75½- —
Zone 3. gal. .62½- —
Zone 4. gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1. gal. .43 Nom.
Zone 2. gal. .44½ Nom.
Zone 3. gal. .45½ Nom.
Zone 4. gal. .45½ Nom.
dms., c.l., Zone 1. gal. .51 Nom.
Zone 2. gal. .52 Nom.
Zone 3. gal. .53½ Nom.
Zone 4. gal. .54½ Nom.
l.c.l., Zone 1. gal. .54½ Nom.
Zone 2. gal. .57 Nom.
Zone 3. gal. .58 Nom.
Zone 4. gal. .59 - —
Alcohol (see Methanol).
Anthranilate, bots. lb. 2.00 - 2.30
Benzoate, cns., 25 lbs. lb. .70 - 1.00
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .32 - —
service men and consumers, cyl. lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers. lb. .36 - —
service men and consumers, cyl. lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers. lb. .31 - —
service men and consumers. lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Manganese Hydrate—Mica

Methyl, cinnamate, bls. lb. 1.50 - 4.00
Formate, dms. lb. .69 - —
Lactate, dms., l.c.l., dlvd. lb. .80 - —
Iodide, bots. lb. 4.00 - 4.15
Salicylate, dms. lb. .35 - .37
cns. lb. .37 - .40
Molybdated violet toner, bbls. lb. .35 - —
Methylamyl ketone, dms., works, l.c.l. lb. .33 - —
smaller containers, same basis, lb. .38 - —
Methylcellulose, dms., 2,000 lbs. or more, works. lb. .50 - —
100 to 1,999 lbs., works. lb. .55 - —
1 to 99 lbs., works. lb. .60 - —
Methylcyclohexane, 98-100%, dms., works. lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works. lb. .32 - —
Methylcyclohexanone, 98 - 100%, dms., works. lb. .31 - —
Methylene blue, medcl., kgs., 100 lbs. lb. 2.00 - —
cns., 5 lbs. lb. 2.35 - —
Chloride, dms., f.o.b. works. lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms. lb. .09 - —
tanks, same terms. lb. .07½- —
Methylhexyl ketone, dms., tech., works. lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd. lb. .12½- —
tanks, dlvd. lb. .11 - —
Methylnaphthyl ketone, dom., cryst., cns. lb. 2.75 - 3.05
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee. ton. 9.00 - —
l.c.l., same basis. ton.11.00 - —
180 mesh, containers extra, c.l., same basis. ton.11.00 - —
l.c.l., same basis. ton.13.00 - —
250 mesh, containers extra, c.l., same basis. ton.12.00 - —
l.c.l., same basis. ton.14.00 - —
325 mesh, containers extra, c.l., same basis. ton.15.00 - —
l.c.l., same basis. ton.17.00 - —
400 mesh, containers extra, c.l., same basis. ton.17.50 - —
l.c.l., same basis. ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works. ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works. lb. .02 - —
500 lbs., works. lb. .03½- —
100 lbs., works. lb. .05 - —
refined, bgs., extra and returnable, c.l., wks. ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works. ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —

Lecithin

(Vegetable)

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TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
ETHYLENE DIAMINE • LECITHIN • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Mica—Oil, Chinawood

Mica, dry grd., white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works. ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works....ton.29.00 - —
l.c.l., 5,000 lbs., works. ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works. ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —
Wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk, powder, skimmed, roller, bbls., c.l..lb. .10½- —
l.c.l. .....lb. .11½- —
spray, bbls., c.l.....lb. .10½- —
l.c.l. .....lb. .11½- —
unskimmed, roller, bbls., c.l., lb. .25½- —
l.c.l. .....lb. .26½- —
spray, bbls., c.l.....lb. .26 - —
l.c.l. .....lb. .27 - —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¼- .02⅝
hulled, bgs.....lb. .06½- .06⅝
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .09½- —
f.o.b. Gulf ports.....gal. .09 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks...lb. .37 - —
l.c.l., works.....lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .06 - .09
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works...lb. .32 - —
l.c.l., works.....lb. .35 - —
Monoethylaniline, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .60 - —
l.c.l., divd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs...oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - -
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.50 - 1.55
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.13 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown. lb. .16 - .16½
yellow, bgs.....lb. .16 - .16½
Chinese, yellow, bgs.....lb. .08 - .08½
Danish, yellow.....lb. .27 - .2·
English, yellow, bgs.....lb. .27½- .28
Dutch, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12½- .13
Roumanian, yellow.....lb. .15½- .16
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works...100 lbs. 2.25 - —
78 deg., tanks, works..100 lbs. 2.50 - —
Refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .08 - —
50-lb. cs., same basis....lb. .08½- —
pkgs. (16 oz.), same basis..lb. .08½- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....lb. 1.35 - 1.50
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .33 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Niger seed, bgs.....lb. .15 - .16
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛, and 40 sec. vis., bbls., wks., lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f. o. b. Carrollville, Wis., dlvd..unit-ton. 2.00 Nom.
f.o.b. Chemical, Ill..unit-ton. 2.00 Nom.
f.o.b. East Coast producing points..unit-ton. 2.75 - 3.00
import, bgs., c. i. f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs....lb. No prices
Chinese .....lb. .26 - .28
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .16 - .16½
West Indian, bgs.....lb. .14¼- .14⅝
Nux Vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks .....lb. .03 - —
Ocher (see Yellow).
Octane, 100-140° C., industrial grade, dms., c.l., G. 3, gal. .15 - —
l.c.l., G.3.....gal. .27 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .12½- —
Octanol, normal, tech., 360-lb. dms., divd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots.....lb. 3.50 - 3.75
sweet, true, exp., cns.....lb. 1.75 - 1.90
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.75 - —
Angelica, root, bots.....lb. No stocks
seed, bots.....lb. 110.00- 120.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .88 - .90
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .80 - .90
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-66% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb.20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .90 - —
rect'fd., cns.....lb. 1.50 - —
Bois de Rose, Brazil, cns..lb. 3.25 - 3.75
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .82 - 1.10
USP IX, cns.....lb. .84 - 1.25
USP X, cns.....lb. 1.10 - 1.25
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .29 - .30
dms. .....lb. .27 - .29
white, cns.....lb. .32 - .33
dms. .....lb. .30 - .31
Cananga, native, cns.....lb. 9.25 -10.00
rectified, cns.....lb.10.00 -11.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.85 - 5.50
Caraway, USP, cns.....lb.10.50 -12.00
Cardamom, bots.....lb.25.50 -35.00
Cassia, USP, cns.....lb. 3.85 - 4.50
Castor, blown, one-way dms., c.l..lb. .13¼- —
l.c.l. .....lb. .14 - —
cold pressed, USP, bbls., c.l. lb. .12 - —
l.c.l. .....lb. .12⅝- —
cns. (1-gal.), l.c.l.....lb. .15½- —
dms. (returnable), c.l...lb. .11½- —
l.c.l. .....lb. .12¼- —
(5-gal.), l.c.l.....lb. .13½- —
tanks .....lb. .11 - —
dehydrated, dms., c.l.....lb. .1570- —
l.c.l. .....lb. .1610- —
tanks .....lb. .1500- —
extracted No. 3, tech., bbls., c.l..lb. .11½- —
l.c.l. .....lb. .12¼- —
dms. (returnable), c.l....lb. .11¼- —
l.c.l. .....lb. .12 - —
tanks .....lb. .10¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07⅝- —
l.c.l. .....lb. .08⅜- —
75% (63% fat), dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11⅛- —
80% (68% fat), dms., c.l..lb. .11 - —
l.c.l. .....lb. .12 - —
Castor oil, USP, and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.
Cedarleaf, cs.....lb. 1.03 - 1.38
dms. .....lb. 1.00 - 1.35
Cedarwood, Southern, cns....lb. .30 - .34½
dms. .....lb. .28 - .32½
Celery, bots.....lb.25.00 -31.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .33¾- —
tanks .....lb. .32¼ Nom.

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Prepared Monthly by U. S. Industrial Chemicals, Inc.

U.S.I. CHEMICAL NEWS

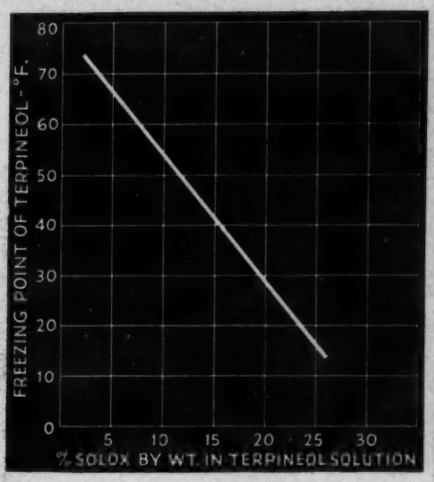
August ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1941

Freezing Point of Terpineol Lowered By Solox Additions

A novel use of SOLOX, U.S.I.'s proprietary alcohol-type solvent, has been discovered in preventing the crystallization of terpineol at low temperatures.

Many of the commercial grades of terpineol crystallize at relatively high temperatures, involving considerable difficulty in withdrawing from tank cars or storage tanks during fall, winter, and spring seasons. Addition of SOLOX to the terpineol results in a marked lowering of the freezing point of the terpineol, and helps to prevent crystallization. If the terpineol-SOLOX solution is subjected to temperatures low enough to cause crystallization of pure terpineol, the SOLOX lowers the crystallization point.

The accompanying graph indicates the effect on the freezing point of terpineol crystals produced by the addition of various percentages by weight of SOLOX. For the sample of terpineol used in the tests from which the graph was prepared, the freezing point of the pure material was 77° F. With this grade of terpineol, the addition of 16% SOLOX reduces the freezing point of crystals to 40° F.



Investigate Shellac and Nitrocellulose Lacquers

LONDON, England—Satisfactory lacquers for furniture can be formulated with relatively high proportions of shellac in combination with nitrocellulose, it has been found as a result of tests carried on here.

The investigations showed that alcohol-soluble cellulose nitrate is compatible with shellac in all proportions. Additional quantities of butanol in the solvent are desirable when ester-soluble nitrocellulose is used in proportions above 14% of the shellac.

Data on viscosities, non-volatile content, and film drying and hardness suggest that suitable finishes can be formulated with not over 15% nitrocellulose on shellac content. Film drying was faster in the case of lacquers formulated with alcohol-soluble nitrocellulose than with the ester-soluble.

New Booklet Describes Manufacture and Use Of Industrial Alcohol

The history, manufacture, and applications of industrial alcohol are outlined in a helpful and informative booklet, "The Story of Industrial Alcohol," recently issued by U.S.I.

Production processes of industrial alcohol are described, and the major steps are represented graphically in convenient flow-sheet form. Numerous applications of alcohol are listed in detail, and the more important applications are summarized in a handy chart for quick reference. Helpful information on Government regulations on the purchase and use of industrial alcohol are also included.

Copies of this interesting booklet can be obtained free of charge by writing U.S.I.

New Adhesive is Non-Tacky At Ordinary Temperatures

LINCROFT, N. J.—A heat-energizable adhesive that is non-tacky at ordinary room temperatures appears to offer a new solution to the problem of stacking adhesive-coated materials without having them stick together.

Patent papers on the adhesive disclose that it consists essentially of an alkyd resin, cellulose nitrate, and a plasticizer, dispersed in a volatile solvent. A typical composition has these proportions:

	Parts by weight
Cellulose nitrate	7.5
S.D. Alcohol 23A	9.2
Toluol	27.0
Butyl phthalate	5.9
Ethyl acetate	29.4
Carnauba wax	1.5
Alkyd resin	2.7
Synthetic resin	12.3
Solvent naphtha	4.5

Reproduces Natural Wood Grains by Novel Process

DETROIT, Mich.—Natural wood grain patterns can be reproduced with a high degree of accuracy on surfaces to be finished in imitation by employing a dot process somewhat similar to that used in half-tone printing, it is revealed in a recent patent.

As a preliminary step, the wood is warmed and the surface saturated with a mixture of equal parts of benzol, alcohol, and amyl acetate to remove resins from the pores.

Many Novel Organic Chemicals Produced From Ethyl Oxalate

Interesting Potentialities in Synthesis Shown by U.S.I. Product

Research in organic synthesis is uncovering many new applications for ethyl oxalate (diethyl oxalate), a product which U.S.I. has manufactured for some years, but whose potentialities have not yet been fully explored. While ethyl oxalate has a limited application as a solvent in certain specialized uses, its most promising field of utility lies in its chemical reactions. Its reaction with ethyl acetate in the presence of sodium ethoxide (sodium ethylate) yields ethyl sodium oxalacetate, a U.S.I. product employed in the manufacture of dyestuffs of the Tartrazine type. Among other typical reactions of ethyl oxalate are:

1. With acetone in the presence of sodium ethoxide, it yields xanthochelidonic acid ester (acetone dioxalic ester), from which the ethyl ester of chelidonic acid may be obtained. Gamma-Pyrone may in turn be obtained from this latter substance.
2. With zinc and alkyl iodides, it gives ethyl esters of dialkylglycolic acid.
3. With sodium amalgam, the alcoholate of ethyl glyoxylate, ethyl oxomalonate, ethyl racemate, and the ethyl ester of desoxalic acid may be obtained. From this latter acid

(*Continued on next page*)

Instructions for preparing a universal buffer, with practically constant buffering capacity, surface tension, and cation content in the pH region from 2.0 to 12.0 are contained in a recent bulletin. Copies of this bulletin may be obtained free of charge by writing U.S.I. Ask for Bulletin UB.

Describe New Method of Producing Ethylamine

SPONDON, England—The lower monoalkylamines, such as ethylamine, can be produced substantially free from di- or tri-alkylamines by reacting alcohols with an excess of ammonium salts, according to reports of studies conducted here.

A typical application of the process, on which a patent has been issued, consists in mixing ethanol, ammonium chloride, and water in the molecular proportions of 1:8:32, and feeding the mixture into an autoclave. The autoclave is heated to about 350° C. under a pressure of 150-170 atmospheres.

With this procedure, from 80 to 90% of the ethanol is converted into ethylamine, and only a relatively small quantity of diethylamine, corresponding to less than 5% of the ethanol, is formed. The method is adapted to the production of other alkylamines.

Greaseproofs with Ethyl Cellulose

MIDLAND, Mich.—Ethyl cellulose with an ethoxy content less than 46% is an excellent greaseproofing agent, and has the advantages of being odorless, tasteless, and nontoxic, a recent patent indicates. The ethyl cellulose can be dissolved in organic solvents for application to paper.

ADVERTISEMENT—*This entire page is a paid advertisement.*

August ★ # U.S.I. CHEMICAL NEWS ★ 1941

Mosquitoes Fall Victims To Lure of "DRY-ICE"

NEW BRUNSWICK, N. J.—Most effective bait for the mechanical traps now being utilized in the war on mosquitoes is a lump of solid carbon dioxide ("DRY-ICE"*), it has been shown by experiments conducted here.

The standard mechanical trap consists of a metal cylinder with a conical roof. Inside the cylinder are an electric light and a fan. The mosquitoes are attracted by the light, and are drawn by the fan into the bottom of the cylinder, where they fall into a jar containing crystals that give off hydrocyanic acid gas.

Resembles Human Breath

Extensive experiments have been conducted to determine the best bait to increase the efficiency of the trap, and the results indicated outstanding advantages for "DRY-ICE." For example, in one county a trap baited with "DRY-ICE" caught 3,500 mosquitoes, compared with 208 for a similar trap without "DRY-ICE."

Reason for the effectiveness of "DRY-ICE" lies in the fact that the mosquito mistakes the carbon dioxide vapors for the human breath.

* Manufactured and supplied by Pure Carbonic, Incorporated, an associated company of U.S.I.

Uses of Ethyl Oxalate

(*Continued from previous page*)

the phenylhydrazone of ethyl glyoxylate may be obtained by reaction with phenylhydrazine.

4. Ethyl glyoxylate can be formed by electrolytic reduction.

5. With sodium ethoxide and urea, ethyl oxalate yields parabanic acid (oxalylurea).

6. It is used to manufacture phenobarbital.

7. With ortho-nitrotoluene, there results an aldol condensation product containing a third group in the benzene ring.

8. By distilling with an alcohol other than ethanol, the oxalic ester of the alcohol may be obtained through alcoholysis.

Ethyl oxalate is produced by U.S.I. by the standard esterification process, using ethanol and oxalic acid. No acid other than oxalic is required as a catalyst. Special equipment and techniques have been developed to make possible a final product of exceptional purity and freedom from water.

U.S.I. will gladly give further information on the properties and applications of ethyl oxalate.

Dries Printing Ink Films By Treating with Alcohol

OTTAWA, Canada—A new approach to the problem of drying printing inks by treatment with alcohol is revealed in a patent recently issued here.

The process utilizes inks consisting of a pigment dispersed in a petroleum hydrocarbon solution of an alcohol-insoluble binder. A typical formula for a suitable ink is:

	Parts
Molybdated chrome orange	60
Varnish	40
Resin	48
Chinawood oil	12
Petroleum distillate	40

Films of the freshly printed ink are treated with ethanol (or other water-miscible lower aliphatic alcohol) in amounts sufficient to dissolve the petroleum hydrocarbon and precipitate the binder.

Develops Grinding Medium For Neon Tube Lacquers

BROOKLYN, N. Y.—The problem of obtaining uniform dispersion of the orthosilicate crystals used in neon tube lacquers can be solved by employing a recently developed grinding medium, it has been announced by a manufacturer here.

The crystals, which are suspended in a nitrocellulose lacquer, usually with amyl acetate as the solvent, tend to form large aggregates when ground by conventional methods. This tendency prevents uniform dispersion when the lacquer is applied to the interior of the glass tube.

Formation of aggregates can be prevented, the manufacturer claims, by the use of a grinding medium consisting of 1 gram of glyceryl monoricinoleate and 20 to 70 grams of ethanol or butanol. When the grinding is complete, the particles are coated with a minute film of the monoricinoleate, which helps to prevent formation of aggregates.

Gives Formula for Auto Polish

A paste polish for automobiles recently developed abroad has these proportions:

	Per cent
Water	16.35
Household soap	4.05
Glycerol	6.75
Kerosene	19.3
Butyl phthalate	3.55
Abrasive	50.0

The paste was homogenized in a paint mill.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

An aluminium paint substitute recently developed has approximately the same light reflection as aluminum paint, forms a hard yet flexible film, and has excellent protective qualities, according to the manufacturer. It is not affected by temperatures from —100° F. to 800° F., it is reported. **(No. 480)**

U S I

A chlorinated fungicide prevents mildew and does not discolor white paints, it is claimed. The product is said to be odorless in the paint film, water-insoluble, and non-toxic. It can be dissolved in oil or alcohol for addition to the paint. **(No. 481)**

U S I

A new flameproofing agent can be applied to textiles, paper, wood, and other porous materials, it is reported. Product is described as an odorless, water-white, non-toxic liquid. It is non-hygroscopic and does not dust off. **(No. 482)**

U S I

A surfacing material for concrete or wood floors is said to contain copper compounds that help to prevent growth of micro-organisms, making it suitable for shower and locker rooms. Another advantage claimed for the material is that it drains away static charges before they reach sparking potentials. **(No. 483)**

U S I

A new fire foam is said to be particularly effective with a wide variety of organic solvents, including alcohol, ether, and acetone. **(No. 484)**

U S I

Accelerated fading tests can be carried out with a new unit which includes 18 sample holders on a revolving rack, and a carbon arc light source. Maker says the unit can be used to check color fastness of dyes, plastics, and other products. **(No. 485)**

U S I

A non-staining packing can be used in the food, drug, paper, pulp, and textile industries, or wherever liquids must be kept free from contamination and staining, it is claimed. Packing is said to be snow-white and to use an odorless, tasteless, edible, and chemically resistant lubricant. **(No. 486)**

U S I

A solvent recovery mixer is suitable for the processing of lacquers, paints, and many chemical mixtures, according to the maker. Mixing kettle is of stainless steel, and condenser unit can be used for recovery of solvent, refluxing of evaporated solvent, or refluxing followed by recovery. **(No. 487)**

U S I

A new film can be used to photosensitize metal so that template outlines can be reproduced on the metal from drawings. Process is said to involve special preparation of the drawings on metal sheets. **(No. 488)**

U S I

New maintenance paints are impregnated with wax particles, which are said to produce a finish that is easy to clean and hard to mar. **(No. 489)**

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Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
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Ethyl Oxalate

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Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate
*Registered Trade Mark

PROPIONIC ESTERS
Amyl Propionate
Butyl Propionate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Oil, cinnamon, bark, bots.....lb. 9.75 -32.00
leaf, dms.....lb. .85 - 1.20
Citronella, Ceylon, cns.....lb. .95 Nom.
dms. .....lb. .90 Nom.
Java, cns., dms.....lb. .85 - .90
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07⅛ Nom.
edible, 76°, dms., c.l.....lb. .13 Nom.
l.c.l. .....lb. .13½- .14
tanks .....lb. No prices
Cod, Newf., dms.....gal. .78 - .80
Codliver, med., USP, bbls...bbl.80.00 -85.00
Coriander, bots.....lb.22.00 -25.00
Corn, crude, tanks, works....lb. .12¾- .12⅞
refd., bbls.....lb. .14¾ Nom.
Cottonseed, cooking, bbls....lb. .14 - —
salad, bbls.....lb. .14¼- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.40 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -12.00
Cypress, bots.....lb.12.00 - —
Degrass (see D).
Dill seed, bots.....lb. 5.50 - 6.00
weed, bots.....lb. 5.75 - 6.25
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.35
Eucalyptus, cns.....lb. .68 - .73
dms. .....lb. .65 - .70
Fennel, sweet, cns.....lb. 2.50 - 2.75
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb.15.00 - —
Bourbon, cns.....lb.15.00 - —
Turkish (see Palmarosa)
Grapefruit, cns.....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 5.75 - 9.50
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Halibut liver, ref., dms....gal.36.00 - —
Hemlock, cns.....lb. .95 - 1.15
Juniper, berry, cns.....lb.15.00 - —
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .72 - .95
Lard, common, 1, bbls.....lb. .12¼- —
2, bbls.....lb. .11⅞- —
extra, bbls.....lb. .12½- —
1, bbls.....lb. .12¼- —
Winter, strained, bbls....lb. .12⅜- —
prime, burning, bbls.....lb. .12½- —
prime, ined., bbls.....lb. .13 - —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. No stocks
Lavender flower, French, 50% ester, cns..lb. No prices
38-42% ester, cns.....lb.10.00 -10.25
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. No prices
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 2.70 - 3.00
dms. .....lb. 2.60 - 2.90
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.85 - 1.90
Lime, dist., cns.....lb. 5.75 - 7.25
expressed, cns.....lb. 8.00 -10.75
Terpeneless .....lb.46.50 -78.00
Linaloe, wood, cns.....lb. 3.25 - 3.40
Linseed, raw, dms., c.l.....lb. .1130- .1150
l.c.l., 10 to 69.....lb. .1170- —
5 to 9.....lb. .1190- —
less than 5.....lb. .1210- —
tanks .....lb. .1040- .1060
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.35.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 200-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .19 - .24
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .11½- .17
200-280 vis., 3, 15-25 pour, tanks..gal. .11½- .13½
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks..gal. .25 - .29½
cylinder oils, 600-630 flash, tanks..gal. .14 - .17
600 - 650 steam ref'd. tanks..gal. .13½- .16
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .31 - .38½
200 vis., 0-25 pour, tanks, gal. .33 - .40
Mace, dist., cns., dms.....lb. 2.15 - 2.65
Mandarin, Brazilian, cns....lb. 8.00 - —
Italian, coppers.....lb. 9.55 - —
Menhaden, crude, tanks, fut., Balto..gal. .55 Nom.
ref'd alkali, dms.....lb. .1140- —
kettle-boiled, dms.....lb. .1240- —
light-pressed, dms.....lb. .1040- —
tanks .....lb. .0940- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. No prices
extra, bbls.....lb. .12¾- —
1, bbls.....lb. .12¼- —
prime, bbls.....lb. .12¾- —
pure, bbls.....lb. .17¾- —
Neroli, bots.....lb.290.00 -375.00
Nutmeg, dist., cans, dms....lb. 2.15 - 2.65
Oiticica, liquid, dms.....lb. .20½- .21
tanks .....lb. .20 - —
Oleo, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .12½- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.85 - 4.00
edible, Calif., dms.....gal. 4.75 - 5.00
imported, dms.....gal. 5.55 - 5.70
foots, dms.....lb. .16¾- .17¼
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
90% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.60 - —
expressed, Calif., cns.....lb. 3.00 - —
Florida, cns.....lb. 2.85 - 2.90
Messina, USP, coppers...lb. 8.00 Nom
West Indies, cns.....lb. 4.75 - 6.00
terpeneless .....lb.35.00 -175.00
Origanum, cs.....lb. 1.50 - 2.40
Palm, Niger, dms.....lb. .07½ Nom.
Sumatra, tanks.....lb. .07 Nom.
distant ship't., bulk.....lb. .04½ Nom.
Palmarosa, cns.....lb. 3.15 - 3.50
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¾- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05¾- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —

Oil, patchouli, bots, cns.....lb. 5.50 - 8.00
Peanut, crude, nom., tanks..lb. .11¼ Nom.
refd., edible, bbls.....lb. .15 Nom.
Pennyroyal, dom., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.40 - 2.75
Peppermint, natural, cns., dms, lb. 3.60 - 3.80
redist., USP, cns., dms....lb. 3.85 - 4.05
Perilla, dms.....lb. .21 - .21½
tanks .....lb. .20 - —
Petitgrain, Paraguay, cns...lb. 1.45 - 1.50
dms. .....lb. 1.40 - 1.45
Pimento berry, cns.....lb. 4.25 - 8.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .65 - —
steam-dist., dms.....gal. .61 - .65
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 1.75 - 1.80
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .15½- .15¾
tax not incl., tanks.....lb. .10 - —
blown, dms.....lb. .17½ Nom.
Red, dist., or saponif., dms., dlvd..lb. .11½- .12½
tanks, dlvd.....lb. .10¾- —
Rose, synth., bots.....lb. 4.00 -60.00
natural, coppers.....oz.16.75 -20.00

Oil, rosemary, Spanish, cns....lb. .88 - 1.03
dms. .....lb. .85 - 1.00
Rosin, 1st, rectified, dms...gal. .46 - —
2d rectified, dms.....gal. .48 - —
3d rectified, dms.....gal. .52 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 7.50 Nom.
Sandalwood, domestic distilled, USP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots....lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .60 Nom
refd., alkali, dms.....lb. .1140- —
kettle-boiled, dms.....lb. .1240- —
light-pressed, dms.....lb. .1040- —
tanks .....lb. .0940- —
Sassafras, artif., cns.....lb. .78 - 1.30
dms. .....lb. No prices
natural, cns., dms.....lb. 1.05 - 1.20
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Shark liver, crude, dms..million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. .10¾ Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude, dms..lb. .11¾- .12¼
tanks .....lb. .10¾ Nom.
refd., dms.....lb. .12 - .12½
tanks .....lb. .11½ Nom.
Spearmint, dms.....lb. 2.55 - 2.80
Sperm, bleach, 38°, dms.....lb. .1220- —
45°, dms.....lb. .1150- —
natural, dms.....lb. .1100- —

Oil, Cinnamon—Oil, Turpen.

Oil, spruce, cns., dms.....lb. .95 - 1.35
Sweet, birch, North, cns.....lb. 2.50 - 3.25
South, cns.....lb. 1.60 - 1.75
Tall crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .06¾
tanks, dlvd.....lb .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .11¾- —
tanks .....lb. .11¼- —
Tansy, cns.....lb. 3.55 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .28 - —
E. ports, c.l.....gal. .27½- —
l.c.l. .....gal. .31 - —
tanks, dlvd. E. cities..gal. .21 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed ,crude, dms.....lb. .24 Nom.
refined, dms.....lb. .27 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.85 - 2.20
white, cns.....lb. 1.95 - 2.35
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).

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Oil, turtle, cns.....gal. 8.50 - —
Vetiver, Java, bots.....lb. 8.75 -11.00
Whale, ref., natural, dms...lb. .1030- —
winter, bleach, dms.....lb. .1050- —
Wheat germ, cns., dms....gal.17.50 -25.00
White, mineral, dom., tech.,
50-60 vis., dms..gal. .34 - .43
65-75 vis., dms.....gal. .35 - .44
80-90 vis., dms.....gal. .36 - .45
USP, 80-90 vis., dms..gal. .38 - .47
95-105 vis., dms....gal. .45½ - .52½
125-135 vis., dms....gal. .49 - .58
140-150 vis., dms....gal. .51 - .60
175-185 vis., dms....gal. .54½ - .63½
200-210 vis., dms....gal. .57½ - .66½
320-330 vis., dms....gal. .65 - .74
335-345 vis., dms....gal. .66 - .75
Russian, 80-90 vis., dms...gal. No prices
145-155 vis., dms....gal. No prices
175-185 vis., dms....gal. No prices
335-345 vis., dms....gal. No prices
Wintergreen, natural, North, cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, sns.....lb. 2.20 - 2.70
Wormwood, cns.....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots.....lb.35.00 -40.00
Olivine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis....ton. 7.00 - —
Spalls, same basis....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
ground, 325 mesh, c.l., mines. ton.20.00 - —
200 mesh, c.l., mines...ton.17.00 - —
100 mesh, c.l., mines...ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, gum, USP, 50-lb. lots, cns...lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots, cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .80 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¼- —
smaller lots, dlvd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¾- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Orange, molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .07½- .08
Orris root, Florentine, bgs....lb. 2.00 Nom.
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.25 Nom.
Verona, bls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06¼
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .21 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2..lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs.. works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 3.00 - 3.50
Paprika, Algerian, bgs.....lb. .32½- .33
Bulgarian, bgs.....lb. .26 - .29
Portuguese, fancy, bgs.....lb. .35½- .36
good, bgs.....lb. .33½- .34
Spanish, extra fancy, cs....lb. .42 - .42½
medium, cs.....lb. .39½- .40
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms, c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .05½ Nom.
bbls., c.l., N.Y.....lb. .05½ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05½ Nom.
bbls., c.l., N.Y.....lb. .05½ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .05½ Nom.
fully refd., 123-125 A.m.p., bgs., c.l..lb. .0570 Nom.
128-130 A.m.p., bgs. or loose, c.l..lb. .0570 Nom.
131-133 A.m.p., bgs. or loose, c.l..lb. .0595 Nom.
133-135 A.m.p., bgs. or loose, c.l..lb. .0625 Nom.
135-137 A.m.p., bgs. or loose, c.l..lb. .0650 Nom.
138-140 A.m.p., bgs. or loose, c.l..lb. .0725 Nom.
143-145 A.m.p., bgs. or loose, c.l..lb. .0820 Nom.
151-153 A.m.p., bgs., or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. to higher than bags price; solid in tankcars is 5c. lower. Prices are for contract delivery.
match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .06 Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs., shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd. lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentanes, 28°-38° C., industrial grade, dms., c.l., G.3, gal. .11 - —
l.c.l., G.3.....gal. .19 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3, gal. .16 - —
l.c.l., G.3.....gal. .27 - —
10 gals., G.3.....gal. .55 - —
Pepper, black, Alleppy, bags..lb. .08¾- .09¼
Lampong, bgs.....lb. .0635- .0665
Tellicherry, bags.....lb. .08½- .09
white, Java, Muntok, bags..lb. .11 - .11½
Muntok, small berry, bags.lb. .10¾- .11¼
red, chillies, Japan, Montaka.lb. .26 - .27
Mombassa, bgs.....lb. .24½- .25
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .70 - .75
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..bl. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09¼- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09¼- —
All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan. except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.
Peru, balsam, dms.....lb. 1.35 - 1.40
Petrolatum, amber, dms.....lb. .03½- —
l.c.l. .....lb. .04½- —
amber, extra, dms.....lb. .03¾- —
l.c.l. .....lb. .04¾- —
white, cream, dms., c.l.....lb. .05 - —
l.c.l. .....lb. .06½- —
lily, dms., c.l.....lb. .05¾- —
l.c.l. .....lb. .07¼- —
snow, dms., c.l.....lb. .06½- —
l.c.l. .....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California .....bbl. .43 - 1.71
Canada .....bbl. 1.08 - 1.70
Central West:—
Illinois .....bbl. 1.37 - —
Ohio .....bbl. 1.05 - 1.16
Michigan .....bbl. 1.17 - 1.44
Indiana .....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.48
Kentucky, Tennessee.....bbl. 1.22 - 1.43
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico .....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.25
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.75 - —
Corning .....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
Penna., S. W. Penn lines, bbl. 2.40 - —
Lower district in National Transit lines..bbl. 2.63 - 2.68
Rocky Mountains.....bbl. .96 - 1.20
South Central and Southwestern Texas..bbl. 1.03 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.27
Ether, laboratory grade, 30-60°C. c.l..gal. .16 - —
l.c.l. .....gal. .27 - —
10 gals.....gal. .55 - —
35-60°C., l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
40-75°C., c.l.....gal. .16 - —
l.c.l. .....gal. .27 - —
10 gals.....gal. .55 - —
Petroleum ether prices are spot quotations, f.o.b. Group 3, for material packed in drums.
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 s.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11¼- —
Willbridge, Ore., Fort Wolles, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07⅝- .08¼
Benzol type, tanks, gal. .07⅞- .08⅝
Mineral spirits at refinery, California (f.o.b. San Francisco), 166-232 b.r., tanks.....gal. .10½- —
196-290 b.r., tanks...gal. .10¾- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¼- —
Gulf Coast, tanks.....gal. .06½- —
Petroleum, mineral spirits, tankwagon:—
Albany .....gal. .13¼- —
Baltimore (100 gals.)..gal. .14 - —
25-90 gals.....gal. .16 - —
Boston .....gal. .1380- —
Bound Brook, North Jun. boy, N. J..gal. .13¼- —
Bridgeport, Conn.....gal. .11¾- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11⅛
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1530
Milwaukee .....gal. .1980- —
Minneapolis-St. Paul..gal. .19½- —
Newark .....gal. .09½- —
New York (200 gal.)..gal. .10 - —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks..gal. .06¾- —
tankwagon, Boston, ex tax, gal. .1380- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax....gal. .11 - —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
3, same basis.....gal. .22½- —
8, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —
V.M.&P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston, ex tax, gal. .1480- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax, gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Inc., ex tax, gal. .1520- .1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
Tankwagon, Boston, ex tax, gal. .1430- —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .10 - —
Omaha .....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10¼- .11½
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12½- —
l.c.l., same basis.....lb. .13¼- —
under 1,000 lbs.....lb. .14¼- —
tanks, works.....lb. .11½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
Phenolphthalein, yellow, fib. dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 4.00 - 4.10
dimethylacetate, cns.....lb.14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots, lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots, lb. 4.55 - —
hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works.....lb. 1.75 - —
Phlorogiucinol, CP, tins, wks..lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 76% min..long ton. No prices
land-pebble, 68% min.long ton. 2.00 - —
70% min.....long ton. 2.30 - 2.40
72% min.....long ton. 2.75 - 3.00
Tenn., 72% min.....long ton. 4.50 - —
75% min.....long ton. 5.50 - —
Phosphate rock prices are for shipment in bulk, f.o.b. mines.
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, ton..lb. .33 - —
single, bbls., works.... ..lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. all. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots., vis.....oz. 3.25 - 3.75
Pimento, Jamaica, bgs.....lb. .24 - .24½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .41 - —
Pitch, burgundy (see Bi).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 5.25 - —
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .42 - .44
Roumanian, bgs.....lb. .37 - .38
Turkish, bags.....lb. .32¾- .33¼
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spots, c.l., works, lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03¼- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03¼- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98% cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33¼- —
100-lb. dms.....lb. .34½- —
50-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz.14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys. or cns.lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacosulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports, unit-ton. .60 - —
f.o.b. Carlsbad, N.M. unit-ton. .20 - .21
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports.. unit-ton. .56 - .58
min. 60% K_2O, same basis.. unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., wks.....lb. .09½- .11
Permanganate, tech., dms., wks, lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red, bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs. lb. .07 - —
Sulphate, NF, powd., 350 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.

Potash, sulphate, tech., dom., bulk, basis 90%, K_2SO_4, ex vessel, ports.....ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice, dom., grd., fine, 4F, 2F, F, O, bgs., 5 tons and up..lb. .03¼- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., 5 tons and up, lb. .03½- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04¼- —
Imp., Italian.....lb. No prices
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.40 - 4.60
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.60 - —
Pyrethrum flowers, coarse.. grnd. (g.f.p), 9% pyrethrins, frt. alld., bbls..lb. .20 - .21
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis.....ton. 12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

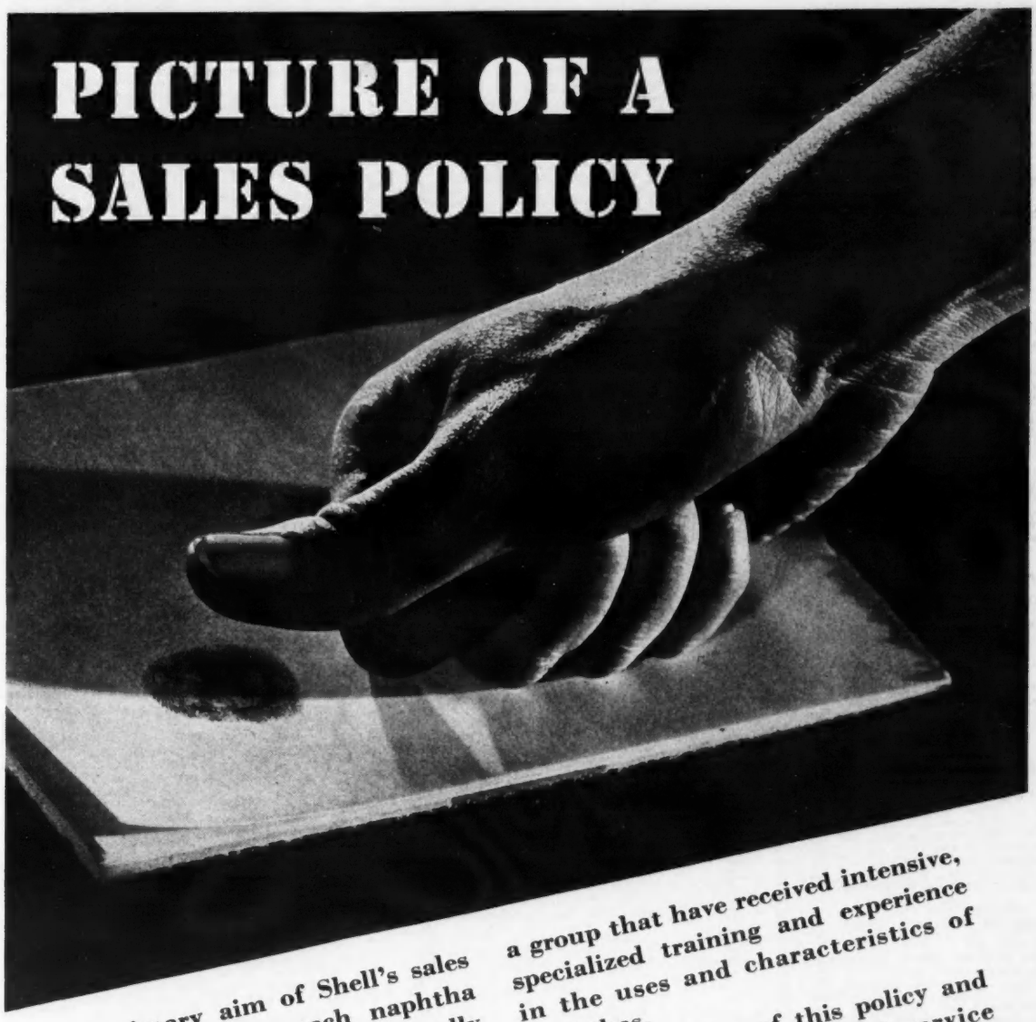
Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05½- —
tanks, works.....lb. .05 - —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
pwd., bgs., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10½- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .24 - —
extract, bgs, No. 1.....lb. .09 - —
No. 2.....lb. .08½- —
No. 3.....lb. .08 - —
solid, bxs.....lb. .17 - —
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask 190.00 - 192.00
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 5½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .66 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.06 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 - —
Quinine buyers must pay a surcharge of 5½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 5½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .08¼- 08½
Dutch, bgs.....lb. No stocks
Indian, medium, recleaned, bgs., lb. .07½- .08
Japanese bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots.....lb. .95 - —
kgs., ton lots.....lb. .95 - —
smaller lots.....lb. 1.00 - —
light shade, bbls., ton lots, lb. .75 - —
smaller lots.....lb. .80 - —
kgs., ton lots.....lb. .80 - —
smaller lots.....lb. .85 - —
light-medium shade, bbls., ton lots..lb. .80 - —
smaller lots.....lb. .85 - —
kgs, ton lots.....lb. .85 - —
smaller lots.....lb. .90 - —
maroon shades, bbls., ton lots, lb. 1.00 - —
smaller lots.....lb. 1.05 - —
kgs., ton lots.....lb. 1.05 - —
smaller lots.....lb. 1.10 - —
medium shade, bbls., ton lots, lb. .85 - —
smaller lots.....lb. .90 - —
kgs., ton lots.....lb. .90 - —
smaller lots.....lb. .95 - —
Red, cadmium, lithopone quotations are prices at the works, with frt. alld.
Selenide, bbls., light, works..lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis...lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
Red, oxide, reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St., Louis, Copley, Ohio.....lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .06¼- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l..lb. No prices
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03¼- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04⅝- —
l.c.l. .....lb. .04⅞- —
Grade 2, c.l., bbls., f.o.b. N.Y..lb. .04½- —
l.c.l. .....lb. .04⅝- —
Toluidin toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40

Potash Sulphate—Red, Tuscan



THE primary aim of Shell's sales policy is to give each naphtha user a service that is as individually his own as his thumbprints.

That's why Shell established a separate and distinct organization to handle the making and servicing of naphthas.

Key man in this organization is the Shell Naphtha Technician. An experienced chemical engineer, he is one of a group that have received intensive, specialized training and experience in the uses and characteristics of naphthas.

If you approve of this policy and would enjoy personalized service yourself, invite the Shell Naphtha Technician to call. Just write the nearest Shell Office. It may save you considerable money and it costs you nothing.

SHELL

SHELL NAPHTHAS

Red, Venetian—Soda Tungst.

Red, Venetian, bbls., works...lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more. lb. 3.26 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram. 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .30½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .20 - .21
Rosin, gum, B, bbls., ex dock.. 100 lbs. 2.92 - —
D, bbls.....100 lbs. 2.99 - —
E, bbls.....100 lbs. 3.01 - —
F, bbls.....100 lbs. 3.01 - —
G, bbls.....100 lbs. 3.01 - —
H, bbls.....100 lbs. 3.00 - —
I, bbls.....100 lbs. 3.00 - —
K, bbls.....100 lbs. 3.02 - —
M, bbls.....100 lbs. 3.06 - —
N, bbls.....100 lbs. 3.09 - —
W. G., bbls.....100 lbs. 3.25 - —
W. W., bbls.....100 lbs. 3.48 - —
X, bbls.....100 lbs. 3.48 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.87.50 - —
Rouge, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.45 - 1.60
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb. 38.00 -39.00
Safrol, cns.....lb. 1.15 - 1.25
dms.....lb. No prices
Sage, Dalmation, garden, bls..lb. 1.50 - 1.60
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, bls.....lb. .87 - .90
Spanish, bls.....lb. No stocks
Sago flour, bgs.....lb. .05 - .05½
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.08 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y...ton.14.20 - —
l.c.l., bgs., dlvd. N. Y...ton.16.00 -16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.18.20 -21.30
Saltcake, dom., bulk, works..ton.13.00 Nom.
import, bulk, c.i.f.....ton.16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons..... 100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons..... 100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —
Santonin, cryst., cns.....kilo.170.00 -182.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .20 - .22
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Senna, Tinnevelly, No. 1, bls., lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .13 - .14
Pods., bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls., f.o.b. N. Y....lb. .34 - —
dlvd., Boston.....lb. .35 - —
Chicago.....lb. .35½- —
Pacific Coast.....lb. .37½- —
rfd., bbls., f.o.b. N. Y.....lb. .41 - —
dlvd., Boston.....lb. .41½- —
Chicago.....lb. .41¾- —
Pacific Coast.....lb. .45 - —
Garnet, bgs.....lb. .30 - .31
D.C., V.S.O., or Diamond I. cs., cs. .38 - .39
Superfine, bgs., f.o.b. Boston, N. Y..lb. .29 - .30
dlvd., Chicago.....lb. .29½- .30½
Pacific Coast.....lb. .32 - .33
Shellac, T. N., bgs, f.o.b. Boston, N. Y..lb. .28½- .29
dlvd., Chicago.....lb. .29 - .30
Pacific Coast.....lb. .32 - .33
varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.45 - 1.50
4½-lb. cut, bbls.....gal. 1.40 - 1.45
4-lb. cut, bbls.....gal. 1.35 - 1.40
white, 5-lb. cut, bbls.....gal. 1.55 - 1.60
Shellac, varnish, Metro. area, white, 4½-lb. cut, bbls..gal. 1.50 - 1.55
4-lb. cut, bbls.....gal. 1.45 - 1.50
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works..ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works..ton.25.00 - —
400 mesh, bgs.. c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works..ton.35.00 - —
smaller lots, works..ton.38.00 - —
wet-grd., 96-98% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works..ton.23.00 - —
99% 325 mesh, bgs., c.l., works..ton.22.00 - —
med. grd., 99% 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh. bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom.. metal, oz. .7111- —
Govt. purchase, foreign metal oz 98 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, 100-oz. bots.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Protelnate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .56 - .58
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04½- .05
l.c.l., dlvd.....lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - .07
99%, dms., c.l., dlvd.....lb. .06½- .07
l.c.l., dlvd.....lb. .07¼- .07½
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09½
dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07⅛
white, dms., c.l., dealers, works..lb. .07¼- —
l.c.l., dms., works.....lb. .08 - .08¼
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1...100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.22 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian: Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.
Benzoate, tech.. bbls., 4,000 lbs. or more...lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more...lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
Soda, bicarbonate, USP, gran., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., wks..lb. .07½- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76%, ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09¼- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .10 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 20%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots...lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
Pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.53 - 2.57
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
2-14 dms., same basis... 100 lbs. 4.80 - —
1-2 dms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.85 - —
10 bbls. and over, dlvd., N.Y...lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Soda, molybdate, anhyd., kgs., works..lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.50 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment .....ton.29.40 - —
200-lb. bgs., same basis, ton.28.70 - —
bulk, same basis.....ton.27.00 - —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment....ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis....ton.30.00 - —
refd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd....lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - —
2-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19¼- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - —
l.c.l., works.....100 lbs. 6.35 - —
bbls., c.l., works.....100 lbs. 5.60 - —
l.c.l., works.....100 lbs. 6.55 - —
cryst., tech., bgs., c.l., wks. 100 lbs. 2.20 - 2.70
l.c.l., works.....100 lbs. 2.60 - 3.45
bbls., c.l., works...100 lbs. 2.40 - 2.90
l.c.l., works.....100 lbs. 2.80 - 3.65
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works....100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.35 - 2.85
l.c.l., works.....100 lbs. 2.75 - 3.60
bbls., c.l., works....100 lbs. 2.55 - 3.05
l.c.l., works.....100 lbs. 2.95 - 3.80
kegs, c.l., works....100 lbs. 3.05 - 3.55
l.c.l., works.....100 lbs. 3.45 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works.lb. .11¼- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more...lb. .10¼- — contracts .....lb. .09¼- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - 1.20
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N.Y.C., 100 lbs. 4.06 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .12 - .15
Stannate, dms.....lb. .34 - .37
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, ex-siccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .29
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech.. kgs.....lb. No prices

Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41%, bgs.....ton.38.70 - —
protein, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11¾- .13
Sparteine sulphate, cns.....oz. 3.65 - 3.85
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .50 - .60
White, bls.....lb. .21 - .23
powd., bbls., bxs.....lb. .35 - .40
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l.....lb. .0710- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls.....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09½- .10
Stillingia root, bls.....lb. .07¾- .08
Stoneroot, bls.....lb. .07¾- .08
Storax, cs.....lb. 1.80 - 1.85
Stramonium leaves, bls.....lb. .40 - .45
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 98-100%, precip., bbls., lb. .25 Nom
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Stroiy! acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, C.P. grade,. bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .18 - —
l.c.l., 10 or over.....lb. .19 - —
less than 10.....lb. .20 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot....ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.25 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l, bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 -
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works.lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls, No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .04½- .05
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton.10.00 - —
20%, bulk, same basis....ton.12.00 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Aluminum, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills..ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Talc, imp., Canad., bgs., c.l., mills..ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .08 - —
special, loose.....lb. .07⅞- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05 - —
l.c.l.....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l.....lb. .07½- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l.....lb. .08 - —
Tamarind, No. 1, bbls,.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 3.75 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y...unit-ton. 4.75 & .10
high-grade, bulk, Chicago, unit-ton. 5.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 4.25 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .05¼- .06½

Solvent Naphtha—Thiamine

Tar acid oil, 15%, dms., c.l., works..gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., dlvd. E. cities..gal. .28 - —
ports .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .44¾- —
less than 5.....lb. .45 - —
USP, powd, bbls.....lb. .50 - —
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .80 - —
dms. .....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 2.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .65 - .90

An Idea

60 YEARS AHEAD OF ITS TIME

Today, we are hearing a great deal about American self-sufficiency in chemicals.

It is easy to think of this as an idea that is new and different.

As a matter of fact, this concept was the driving force behind the start of a great chemical development fully 60 years ago.

Rowland Hazard and William Cogswell talked of American chemical self-sufficiency in 1881 and with this thought in mind founded the Solvay Process Company.

Because of the foresight of these men, America is today independent in the matter of Alkalies, and because of that fact, enjoys a large measure of chemical self-sufficiency.

At no other period in American history has chemical self-sufficiency been of greater importance than it is at the present time. And yet, there is even more to the story of chemical progress than our national security.

This is the age of research development on many fronts . . . of an endless procession of new things . . . plastics, fabrics, fuels, metals, new types of glass, which are coming from the laboratories.

This is THE NEW WORLD OF CHEMISTRY in which Alkalies are of major importance. It is the world of new materials which took a long stride forward 60 years ago when the foundations of the Solvay Process Company were laid down.

Now, as increasing quantities of pure grades and new forms of alkalies become more important than ever before, it is highly important to check sources of supply for reliability and capacity to meet all contingencies.

The present situation serves only to emphasize the advantages of buying your alkalies from Solvay.

1881 1941

SOLVAY SALES CORPORATION • 40 Rector Street, New York, N. Y.

Alkalies and Chemical Products Manufactured by The Solvay Process Company

Thiocarbanilide—Wattle Bk.

Thiocarbanilide, dms.....lb. .24 -
Thorium, nitrate, cs., works ..lb 2.00 -
Thyme, French, bls.....lb. .75 - .77
Spanish, bls.....lb. .20 - .2
Thymol, dms., 100 lbs.....lb. 1.80 - —
cns., 25 lbs.....lb. 1.85 - —
Iodide, kgs., 50 lbs.....lb 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .48½- .49
Crystals, bbls., bgs.....lb. .39½- .40
Metal, Straits.....lb. .53 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. No price
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons), lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
Titanium, chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15¼- —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons), lb. .05¼- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l. frt alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichloroethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Trichloroethylene, Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .37½- —
Tech., dms.....lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 -
Trimethylamine, dms., c.l., dlvd., lb. .35 - —
l.c.l., dlvd.....lb. .20 -
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gums, bbls., c.l., ex dock..gal. .72 - —
l.c.l., 10 ex dock.....gal. .74 - —
5 ex dock.....gal. .76 - —
wood, dest., dist., dms., dlvd. E. ports..gal. .50 - .52
tanks, dlvd., E. cities...gal. .45 - —
steam-dist., dms., c.l., dlvd.gal. .65 - —
l.c.l., dlvd.....gal. .68 - —
tanks, dlvd.....gal. .60 - —

U

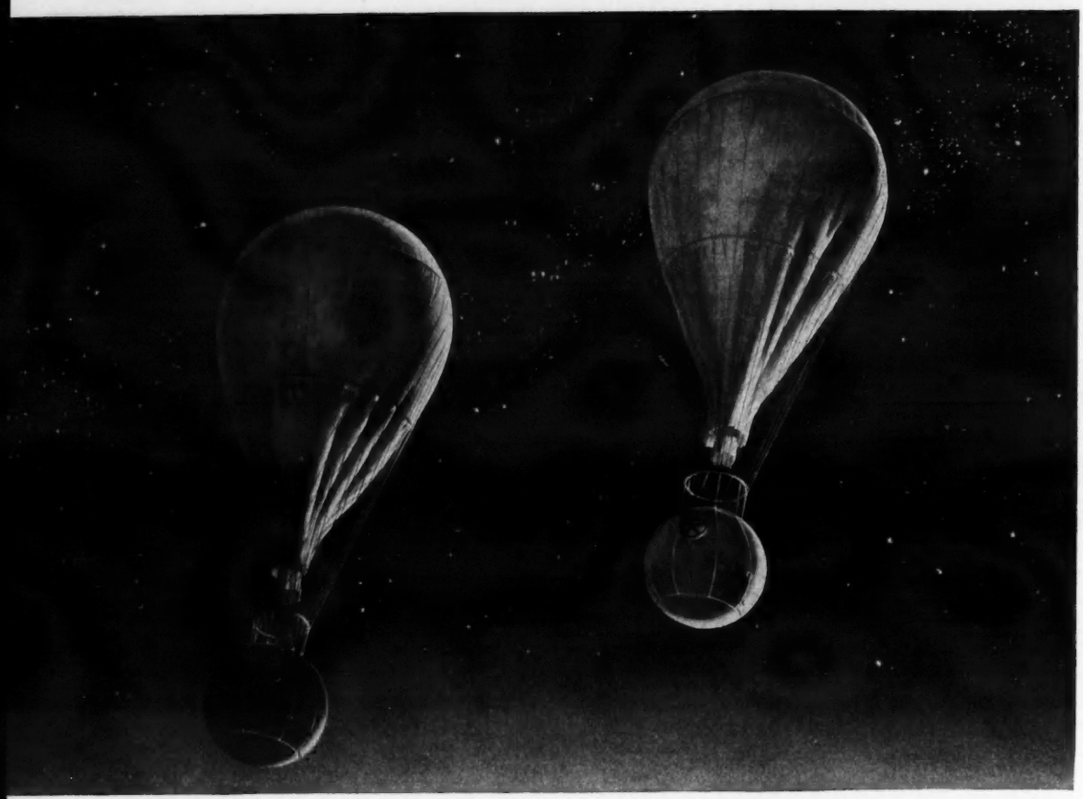
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va., ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports .....ton.57.40 - —
Urea-ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .18 - .20

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .45 - .47
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb.20.00 -20.25
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.15 - —
5-lb. tins.....lb. 2.20 - —
1-lb. tins.....lb. 2.30 - —
ex lignin, 25-lb. tins, 75 to 500 lbs..lb. 2.25 - —
25 to 50 lbs.....lb. 2.50 - —
5 lb. tins, 55 to 500 lbs.....lb. 2.30 - —
5 to 50 lbs.....lb. 2.55 - —
contracts, 5,000 lbs., or more, individual shipments of 1,000 lbs. or more, 25-lb. tins..lb. 2.15 - —
5-lb. tins.....lb. 2.20 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .18 - .22
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0460-.04475
liquid, tanks.....lb. .03 - —
bbls. .....lb. .03½- —



Which is the better package?

MILES above the earth a stratosphere explorer ran into a strange packaging problem. He was making his first balloon flight, safely encased in a black gondola. Outside, in the cold silence, the temperature was 75 degrees below zero.

But inside it was hot—100 degrees above!

What caused the terrific heat? The scientist had an idea. He made his second flight in a *white* gondola. But this time he suffered in below-freezing temperature. Why did he perspire in one gondola and shiver in the other? A physics book will tell you that a black surface absorbs the most heat, a white surface the least.

Which was the better package? Neither. Because neither was the *right* package.

Here's one case, it seems, where businessmen have the advantage over explorers. For when a manufacturer wants to find the right package, he has the help of modern packaging research.

Continental offers three complete and basic packaging services—research, development, and design.

Our packaging experts have had many years of experience in producing and improving packages, creating convenient, colorful, eye-appealing containers. Moreover, they are experts in developing practical packages that are more economical, easier to fill, pack, ship, sell, and use.

What kind of packaging problems come up in *your* business? Do they call for trained research? Whatever they are, call for Continental. We'll be glad to come around and help.

CONTINENTAL CAN COMPANY

New York Chicago San Francisco Montreal Toronto Havana

Wax, amorphous, group 3, at refineries: 160-165, amber.
lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 -
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .47 - .50
cake, cs.....lb. .48 - .51
discs, cs.....lb. .49 - .52
yellow, crude, Africa, 10-bg. lots..lb. No stocks
1 bg.....lb. No stocks
Brazil, bgs.....lb. No stocks
refd., slabs, cs., lbs.....lb. .42 - .43
Candelilla, bgs., 1 ton.....lb. .26 - .27
jobbing lots.....lb. .27 - .28
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .76 - .77
5 bgs.....lb. .76½- .77½
1 bg.....lb. .77 - .78
N. C., 3 bgs., 1 ton.....lb. .78 - .79
5 bgs.....lb. .78½- .79½
1 bg.....lb. .79 - .80
refined, bgs.....lb. .84 - .85
yellow, No. 1, bgs., ton....lb. .86 - .87
5 bgs.....lb. .86½- .87½
1 bg.....lb. .87 - .88
No. 2, bgs.....lb. .84 - .85
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .12½- .13
jobbing lots.....lb. .13½- .14
150°-160° m.p., bgs., 1 ton..lb. .14½- .15
jobbing lots.....lb. .15½- .16
160° m.p., bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16½- .17
Japan, cs.....lb. .30 - .32
Montan, bgs., c.l.....lb No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, refined, bgs.....lb. .58 - .59
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh., paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra); c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l. f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant bgs.....lb. No prices
Wormwood, bls.....lb. .40 - .55

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
3°, dms., returnable, works..gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.35 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
Chrome yellow CP prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, Amer., golden bbls., works..lb. .03½- .06¼
yellow, bbls., works....lb. .02 - .02¼
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)..lb. .02⅞ Nom.
Philadelphia, for import...lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03⅝ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03⅜ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., same basis.....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .15 - .20
Yellow root (xanthrizia), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, viz..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .45 - —
Zinc acetate, tech., bbls., dlvd.lb. .15 - .16
USP bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09¼- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06⅝- —
bbls., c.l., dlvd.....lb. .06⅝- —
l.c.l., dlvd.....lb. .07 - —
leaded, 5%, bgs., c.l., dlvd. lb. .06⅜- —
l.c.l., dlvd.....lb. .06⅝- —
bbls., c.l., dlvd...lb. .06⅜- —
l.c.l., dlvd.....lb. .06⅞- —
35%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
50%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd..lb. .06⅝- —
bbls., c.l., dlvd..lb. .06⅜- —
l.c.l., dlvd..lb. .07 - —

—Continued on page 35

THE "UNFORGIVING MINUTE"

"... FILL THE UNFORGIVING MINUTE WITH 60 SECONDS WORTH OF DISTANCE RUN"
RUDYARD KIPLING

So fast a pace has chemistry set that hardly a week now passes without news of achievements that would have been unbelievable a few years ago. Near-miracles no longer create surprise. Even manufacturers outside of the chemical industries rely more and more on chemistry for assistance in perfecting products and processes.

In common with chemists everywhere, HOOKER welcomes this change. It confirms the importance of the work on which HOOKER specialists are engaged and encourages them in carrying on the development of new products, new uses for old products and new methods of safeguarding the purity and uniformity of HOOKER chemicals.

HOOKER CHEMICALS

Serves many industries, among them the following

UNIFORMLY PURE HOOKER CHEMICALS	Soap & San. Prod. Clean. Compounds	Perfume	Paint	Oil	Drug (Pharm. & Med.)
Acetyl Chloride					✓
Aluminum Chloride, Anhydrous		✓			✓
Ammonium Benzoate					✓
Antimony Trichloride, Anhydrous					✓
Benzoate of Soda					✓
Benzoic Acid		✓			✓
Benzoic Anhydride					✓
Benzoyl Chloride		✓			✓
Benzyl Alcohol		✓			✓
Benzyl Chloride		✓			✓
Bleaching Powder	✓				✓
Caustic Soda	✓		✓	✓	✓
Cyclohexanol	✓	✓		✓	
Chlorine	✓				✓
Meta Nitrobenzoyl Chloride					✓
Methyl Benzoate		✓			
Methyl Cyclohexanol	✓		✓		
Monochlor Benzene	✓	✓	✓		✓
Muriatic Acid					✓
Orthodichlorbenzene	✓		✓		
Paradichlorbenzene	✓				
Para Nitrobenzoyl Chloride					✓
Piperidine					✓
Sodium Sulfide	✓				
1:2:4 Trichlorbenzene	✓				

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1018 C

Oil, Paint and Drug Reporter

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Politics in Price Control

Feasibility and expediency, from a political point of view, must be expected to be the controlling influence in congressional consideration of a price-control program. Hence, it is not to be expected that either wages or the prices of farm products will be pegged. And it cannot be expected that, whatever Congress may say in the bill, if it remains a hit-and-miss, permissive measure, there will be any administrative limitation of the "take" of labor or agriculture out of the "pot" of wartime plenty.

It is especially discouraging for those who know what inflation can and will do to observe the inflationary attitude of the leaders of dairy groups in particular and other agricultural groups toward real price control. This is not, however, astonishing. It may be that "embattled farmers" did their share of the job in hand in the fighting of the American Revolution—or it may be that the debunkers have not yet got around to them. But, every student of history knows that in no subsequent war or other national need has the farm leader or the farm politician been motivated by anything altruistic—always they want "a minimum guaranteed price" with the sky the upper limit.

Manufacturing industry and its distributing ally cannot afford to let organized agriculture gouge labor with high cost of food, because labor then must gouge employers for higher pay—and the "Up's-a-daisy" chain of disastrous events is on its way. Labor on the whole, like agriculture on the whole, is not demanding a bone for the dog and a chunk of suet with its pound of flesh. But, there are more than enough unpatriotic, anti-national gougers in both groups—and more than a few in distribution—already digging for today's gold in what, if their sapping is not stopped, must be tomorrow's grave. Congress must be induced if need be, compelled, to block the blocs that want no block on profiteering. Those who are called to the colors do not, as the dairy group does, put "an adequate price incentive" as the measure of their Americanism.

Who's Is the Happy Date

The price-control bill will not be passed by Congress without material revision. The measure as drafted, because it is not equitable, does not merit a place among the laws of the nation. But, the probabilities are that congressional revision of the bill will make it worse, rather than better, from the standpoint of national interest.

The purpose of price-control legislation is so universally beneficial for all who deserve it that none but a straight, broad path should be followed toward its achievement. The pending bill has too many bypasses and detours. The ceilings which it would authorize under discretionary — and discriminatory — administration have too many holes in them.

Some interest has been aroused by the elevating of the ceiling level brought about by the substitution of a month-later base date. Buyers are asking which price advances during the month of July influenced the selection of the later date in Congress. For the analytically minded in such things, the following comparisons from the wholesale commodity price index compiled by the National Fertilizer Association may afford something better than speculation:—

	Change from June 28 to Aug. 2.
Foods	+2.2
Fats and oils	—7.1
Cottonseed oil	—13.7
Farm products	+4.4
Cotton	+11.9
Grains	—1.0
Livestock	+3.9
Fuels	0.0
Miscellaneous commodities	+2.3
Textiles	+5.8
Metals	0.0
Building materials	+2.9
Chemicals and drugs	+0.5
Fertilizer materials	+6.8
Fertilizers	+4.4
Farm machinery	0.0
All groups combined	+2.4

—O-P-D—

Yesterday's Drugs Still Needed

One of the best known of many similar philosophic inconsistencies is that between the adage about experience being the best teacher and the equally popular saying that nothing is heeded from what others have learned. The latter is the more influential factor in revision of the United States Pharmacopeia in several decades past.

There can be no denying that real progress has been made in the field of organic chemistry therapeutically applied. It is, however, no less true that medical experience of a generation or two ago got some of its results with the drugs it used and did not wholly rely for success on the superior something of the individual practitioner. That experience is still valuable, notwithstanding the aversion of modern medical leaders to recognize it—or their inability to interpret it. The latest evidence of U.S.P revision is that even much of the preceding decade's acclamation is no longer appealing.

It is a fine thing to provide the medical profession with official standards for at least a good-sized group of the new "sulfas." It would be better if there was assurance that even a bare majority of practitioners are equipped to use such drugs satisfactorily. To those who have the ability should be given standards: but from those who have not should not be taken away assurance that the weapons with which they are familiar will be what they expect.

If the proposed U.S.P. deletions are approved, it is to be hoped that the National Formulary will, as usual, be ready to receive—if not actually to welcome—the materia medica ousted from U.S.P. recognition. The doctors of the land need most of these drugs; and they will use them, for not all are ready to agree that squills has no therapeutic value; that there is no need for Dover's powder, copaiba, cinchona, aconite, tincture of iron, chlorate of potash, or creosote. There should be standards for these. And there should be recognition for compound licorice powder, iodoform, sweet spirit of niter, valerian, and asafetida—the passing of these would unfortunately strip still further from the drug store the nostalgic aroma which has clung to it through the ages.

—O-P-D—

Eating at Both Sides

Last week's allocating of formaldehyde resins and commandeering of silk have a cumulative disturbing influence on the chemical industry. The first pushes the extraordinary demand for plastics in the direction of casein or cellulose compositions, the former of which are not without reliance on formaldehyde. So, the brunt falls on cellulose—and this is expected also to contribute largely to the meeting of public needs in hosiery.

There are quite smart lots of cellulose scattered far and wide over the 1,903,-216,640 land acres of these United States —and much more in its waters. Most of this is a long, costly haul from a rayon plant. Acetic acid is not plentiful enough to process the cellulose that can be gathered in, otherwise the idea of Congress to freeze 7,000,000 bales of cotton would be worse than "just wicked," as the Secretary of the Treasury called it. Plasticizers are not to be dug up in every vacant lot.

The chemical industry can do a lot toward clothing, feeding, and entertaining the human race. It can pull out of the air more useful things than a magician's hat disgorges. But, it can't start with nothing and provide all.

—O-P-D—

Coal Here—Oil There

Petroleum chemists, aided and abetted by physicist running-mates, are forecasting an early date for that much dissertated achievement of providing from petroleum all the plain and fancy hydrocarbon compounds now belonging to the coaltar family of organics, and a lot of other complexities in the vegetable alkyds. They are already turning out a good handful of such derivatives.

And the chemists and physicists who dabble with coal in the big need to restore its relative usefulness are promising early delivery of all sorts of new fuels of a dozen degrees of fluidity all the way to very volatile liquidity.

As they are, these efforts and ambitions are competitive to a degree which may be endurable in these abnormal times but would be doubly disastrous under ordinary conditions. The matter is one of those things which give national economic planning an appealing look. Many things can be made out of coal or out of oil. Would it not be good for this far-flung land if, in those parts where oil is more plentiful than water, it was adopted as the raw material, and elsewhere, in the regions of plentiful coal, that natural resource be put to all its practicable uses?

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Heavy Chemicals

Expanding Defense Requirements Continues Dominant Factor —Arsenic Higher—Ammonia Bifluoride and Fluorspar Up —Bolivian Antimony Needle and Oxide Prices Firmer

Direct and indirect defense needs continued to take substantial quantities of heavy chemicals last week. A great many basic materials were practically booked for the remainder of this year against contracts. Sellers were sitting tight, allocating supplies among regular consumers to the best of their ability. Efforts to curtail consumer goods may release some material later for defense needs, but will have little effect on the immediate situation. Meanwhile, producers were somewhat confused as to priority ratings on defense work, and until some clarification is made in specific cases, they refused to recognize many priority ratings.

The price trend continued to rise moderately as a result of higher replacement costs, heavy demands and shortage of materials. Another fractional advance occurred in white arsenic; the second in two months. Some sellers offered antimony oxide at higher levels, while brown Bolivian antimony needle was advanced also. A much tighter situation prevailed in various grades of fluorspar, with prices displaying further firmness. The scarcity of ammonia bifluoride brought about higher prices. The OPM placed copper under full priority and established a ceiling at 12c. per pound. The OPACS may soon issue a price schedule for tin.

Alums.—Market firm, and buying steady.

Alumina Hydrate.—Supplies limited, shipments confined to regular channels.

Alumina Sulphate. — Withdrawals steady against contracts. Prices unchanged and firm.

Ammonia, Anhydrous.—Civilian and defense needs absorb available output. Prices rule firm.

Ammonia Aqua.—Tight situation prevalent, with selling confined to regular consumers. Prices remain firm.

Price Changes

Advanced

Ammonia bifluoride, ½c. per lb.
Antimony needle, Bolivian, 1c. per lb.
oxide, 2c. per lb.
Arsenic, white, ½c. per lb.
Fluorspar, washed gravel, $1 per ton
No. 2, lump, $1 per ton
Soda stannate, ½c. per lb.
Tin, Straits, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
167.3	165.7	163.8	153.7

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.7	108.7	108.7	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Carbon Tetrachloride

A tight situation prevailed in the market for carbon tetrachloride, reflecting to a large extent the scarcity of chlorine and heavy defense requirements. While direct government purchases have not necessarily been a factor, indirectly large amounts have been going into numerous defense channels as a general solvent and for oil extraction. Producers were not able to book any new commitments or accept export business, while available supplies were allocated to regular consumers against contracts.

Earlier the demand taxed existing plant facilities to the maximum. However, the mandatory priority established for chlorine may cause some reduction in the output. The latest figures released by the Tariff Commission shows 1940 production 100,811,330 pounds and sales 79,674,547 pounds, compared with output of 90,535,580 pounds and sales totaling 84,023,750 pounds in the 1939 year. One large producer, through its subsidiary, placed in operation this year a new plant for production of carbon tetrachloride on the Pacific Coast. A new process was used through chlorination of natural gas.

Exports in the first quarter of this year amounted to 997,704 pounds, more than double the 434,485 pounds shipped for the entire year of 1940. No comparison was available for the 1939 year.

Producers have not changed prices since the beginning of the War. Quotations here in car lots, 52½ gallon drums, were quoted at 66½c. per gallon, and less carlots, 73c. per gallon; 5 and 10 gallon drums, car lots, 90c., and less car lots, $1 per gallon. Resale prices recently have ranged between 19c. and 20c. per pound.

Ammonia Bicarbonate.—Usual consumers made steady replacements to keep market in firm position.

Ammonia Bifluoride.—Prices ½c. higher, ranging from 15½c. to 17c. per pound. Material scarce.

Ammonia Nitrate.—Defense needs taking large portion of domestic stocks. Prices firm.

Ammonia Persulphate. — Inquiries steady, and market in strong position.

Ammonia Silicofluoride.—Offerings small, and shipments lag. Prices firm.

Ammonia Sulphocyanide.—Adequate domestic supplies. Prices without change.

Ammonia Sulphide.—Output absorbed by regular consumers. Prices hold firm.

Ammoniac, Sal.—Shipments moved steadily. Prices display firmness.

Antimony. — Domestic spot metal unchanged. Moderate demand.

Antimony Oxide.—Some sellers advanced price 2c., making car lots 15c. and less car lots 16½c. per pound. Situation tight, and offerings limited.

Antimony, Needle.—Brown Bolivian 1c. higher, ranging from 17c. to 18c. per pound; black, Chinese, nominal and 20c. to 22c. per pound. Supplies limited.

Arsenic.—Quotations for White ¼c. higher, making car lots 4c. and less car lots, 4¾c. per pound. Steady demand.

Barium Carbonate.—Some delays in shipments, market tight and prices firm at recently established levels.

Barium Chloride. — Shipments moved well against contracts to regular trade. Prices lack change.

Barium Hydrate.—Market in firm position, with spot stocks limited.

Bleaching Powder.—Business confined to regular contracts for normal

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

needs. Pricewise a firm tone predominated.

Calcium Acetate.—Material scarce, and offerings restricted. Prices rule firm.

Calcium Carbide.—Good demand, and market in strong position.

Calcium Chloride.—Shipments remain heavy in all directions. Prices remain firm.

Chlorine.—Market subject to full priority regulations. The pulp and paper industry agreed to relinquish another 5 percent in manufacture of paper, bringing total to 15 percent so far.

Cobalt Oxide.—Situation about the same, with sellers rationing material among regular consuming trade for normal requirements. Prices firm.

Copper.—Metal placed under full control by priorities division of OPM effective August 6th. Pool provided for in a prior order is abandoned. The OPACS announced a ceiling of 12c. per pound for virgin copper, with maximum prices for scrap to be issued shortly.

Copper Salts.—Priority on metal will further restrict output. Prices strictly nominal.

Copper Sulphate.—Late preceding period one producer advanced prices 25c. for crystals and 35c. for monohydrated. Market well sold ahead. Demand heavy.

Fluorspar.—Washed gravel and No. 2 lump advanced $1, ranging from $22 to $23 per ton. Situation tightening.

Glauber's Salt.—Offerings confined to regular trade. Prices the same.

Lead Acetate.—Market position continues tight. Prices unchanged and firm.

Lime.—Withdrawals steady for most grades, and market tone firm.

Magnesite.—Active inquiry, with market in tight position. Prices firm.

Magnesia Chloride.—Offerings restricted. Prices unchanged and firm.

Manganese Dioxide. — Shipments moving steadily to regular contract accounts for normal requirements. Prices without change.

Molybdenum Metal Powder.—Defense needs taking most of output. Prices rule firm.

Nickel Salts.—Available material allocated. Prices underwent no change.

Phosphorus.—Government purchases factor in tightening market. Offerings limited. Prices firm.

Potash Carbonate.—Demand active, most sellers unable to accept any new business. Prices remain firm.

Potash Caustic.—A steady replacement demand from regular channels kept market in strong position.

Potash Chlorate.—Business held to usual sources. A firm tone prevailed.

Potash Cyanide.—Offerings made to regular channels only. Prices lacked change.

Potash Permanganate.—Shipments moved well to contract consumers. Prices unchanged and firm.

Salt. — Active buying underway. Prices display firmness.

Saltcake. — Domestic output well taken, and market in firm position.

Saltpeter. — Withdrawals steady. Pricewise a firm tone predominated.

Soda Acetate.—Situation continues tight, and offerings limited. Prices firm.

Soda Ash.—Buying broad from all directions, and market tone was firm.

Soda Bicarbonate. — Shipments steady. No change disclosed in the quotations.

Soda Bifluoride.—Supplies scarce. Prices firm.

Soda, Caustic.—Market displays a firmer tone, while commitments were heavy.

Soda Chlorate.—No change occurred in the policy of limiting supplies to regular consumers. Prices remain firm.

Soda Cyanide. — Buying active. Prices failed to change, and tone was firm.

Soda Fluoride.—Material scarce, offerings restricted. Prices firm at higher levels.

Soda Hydrosulphite. — Shipments steady to regular trade. Resale 31c. per pound.

Soda Nitrite.—Interest continued good, and market position firm.

Soda Phosphate.—Market tight, offerings confined to regular accounts for normal needs. Prices firm.

Soda Silicate.—A broad buying

—Continued on page 30

Freight Equalization Plan Hit by F.T.C.

—Continued from page 4

exercise of independent will with regard to prices and price policies by:

1. Providing themselves with a schedule of freight rate factors prepared by or for themselves for their own use in making up bills to customers for goods sold, such compiliation of freight factors not being intended to serve their needs for freight rates for shipping purposes and not necessarily being actual or official freight rates.

2. Exchanging the details of each sale directly or indirectly with one another, and reporting to the respondent institute the details of contracts entered into, the information filed through the institute being disseminated to the respondent corporations in various ways so that enough information about each sales transaction becomes known to each corporation to cause them to refrain from departing from the prices, terms and conditions of sale cooperatively made and announced.

3. Supervising and maintaining a systematic check upon each other concerning allowances made to purchasers for defective or damaged cans for the purpose of curtailing and eliminating the granting of allowances and of making their policies regarding allowances uniform between and among them.

The complaint further alleges that the respondents, by mutual agreement, standardize their products independently of and beyond any Federal or State government requirements in order to eliminate competition in the attractiveness of their products to buyers, and cooperatively promote uniformity of design and pattern in their products.

The complaint alleges that the respondents' combination and practices have the effect, among other things, of enhancing prices of their products; of causing wasteful cross-shipping of milk and ice cream cans; of depriving purchasers located near a producing point of any price benefit from such proximity; of requiring various customers of each of the respondent corporations to pay it different prices for the same type of cans; and of preventing the fullest development of new types, models and designs of milk and ice cream cans.

Chlorine Fumes Fells Many

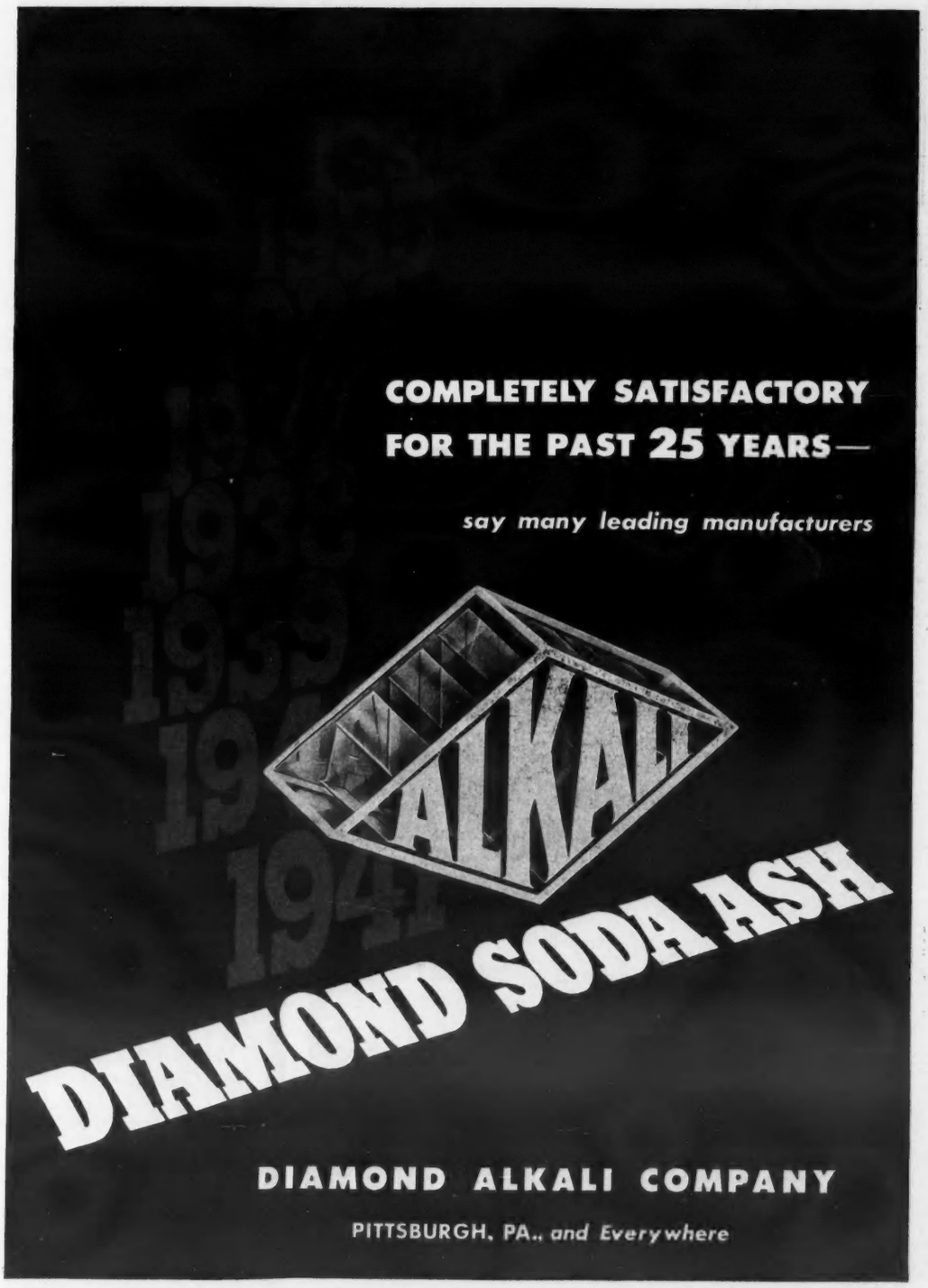
Fumes from a break in a feed line through which chlorine was being pumped from a tankcar into the plant of the Standard Naphthalene Products Company, Kearny, N. J., affected at least fifty persons in the vicinity. Early reports indicated none were seriously ill.

Chemical Salesmen's Role In Emergency to Be Told

"The Function of the Chemical Salesman during the Present Emergency" will be the topic of a symposium, to be held at twentieth anniversary party of the Salesmen's Association of the American Chemical Industry, in Buckwood Inn, Shawnee-on-the-Delaware, September 5-7. The symposium which will be led by six members of the industry, will be preceded by a talk on "Priorities," by a representative of the Office of Production Management.

The final golf tournament of the season will be held on September 6, followed by dinner, awarding of prizes and an entertainment program. Registration fee for the entire meeting is $2, and greens fee, normally $4, will be free to all members who have paid their dues. September 7 events include a softball tournament, a horseshoe pitching contest, and an outdoor barbecue.

Western Ink & Supply Company is the firm name under which Benjamin Donzis has obtained a certificate to conduct business at 421 East Sixth street, Los Angeles.



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Heavy Chemicals

—Continued from page 29

movement characterized the market. Prices held at previous levels.

Soda Silicofluoride.—Spot offerings negligible. Bookings made well in advance. Prices nominal.

Soda Stannate.—Prices advanced ½c., ranging from 34c. to 37c. per pound. Demand steady.

Soda Sulphide.—Business held to regular channels. Prices rule firm.

Sulphur, Refined.—Demand active. No change occurred in the prices.

Tetrachlorethylene. — Supplies scarce, offerings limited. Prices firm.

Tin Salts.—Prices for various tin derivatives held firm. No quotations were available for anhydrous tetrachloride of tin or tin oxide. Straits metal quoted at 53c. per pound. Indications are that the OPACS may soon issue a price schedule for tin.

Zinc Chloride.—Shipments moved steadily against contracts. Prices unchanged and firm.

Acids

Demand continued to exceed supplies in the market for several acids last week. Further pressure was exerted for defense purposes, directly and indirectly to absorb practically all available output. Acetic and acetic anhydride remain in short supply. Offerings of chromic were held to normal needs of regular consumers. Formic and hydrofluoric were in a tight position. Naphthenic was strictly nominal. Not much oxalic was available. Heavy demand continued for muriatic and nitric. Shipments of sulphuric were confined to contracts only.

Acetic.—Shortage continues with offerings restricted. Resale 26c. per pound.

Acetic Anhydride.—Supplies scarce. Prices held unchanged and firm.

Battery. — Shipments steady. No change disclosed in the prices.

Chromic.—Business held to normal needs. Resale 17c. per pound.

Formic.—Market remains in tight position. Prices failed to change.

Gallic.—Moderate inquiry. Prices firm at higher levels.

Hydrofluoric. — Offerings limited. Pricewise a firm tone prevailed.

Lactic.—Demand steady. No change occurred in the prices.

Mixed.—Withdrawals steady against contracts. Prices the same.

Muriatic.—Buying active. Pricewise a firm tone predominated.

Naphthenic.—Available output absorbed. Prices nominal.

Nitric.—Defense and civilian needs take available supplies. Prices firm.

Oxalic.—Offerings remain limited. Prices held at same levels.

Phosphoric. — Supplies tightening. Prices unchanged and firm.

Sulphuric.—Shipments moved steadily to regular consumers. No new business taken. Prices unchanged, and tone firm.

BALTIMORE, August 6.—The market for sulphuric acid continued at a pace limited only by the commitments taken on by the producers under contract, which absorbed all of the output and left no margin of consequence for the buyers not thus protected. Hence, the level of the quotations held at the normal level, this being around $12 per ton for 60 degree and $15 per ton for 66 degree acid. Oleum is in a similar position, though a sale was made last week at $16 per ton, which is a dollar under the range that had been adhered to.

Insecticides

With the exception of a good demand for calcium arsenate in the Southern cotton states, business in most agricultural insecticides and fungicides leveled off last week. Inquiries for export reached the market in satisfactory volume. No further price changes were disclosed, however, a generally firm tone characterized the market.

Heavy June rains over most of the corn belt states dealt chinch bugs a "knockout blow" in many infested areas and greatly reduced their damage to the nation's 1941 corn crop, the U. S. Department of Agriculture reported.

Calcium Arsenate.—A good demand from Southern cotton states continues. Prices firm at levels announced preceding period.

Lead Arsenate.—A firm tone prevailed, while seasonal factors limited consumption.

Nicotine Sulphate. — Interest fair. No change disclosed in the prices.

Samuel T. Kantor, manufacturer of printing inks, has purchased the three-story industrial buildings at 5-19 Forty-second avenue, Long Island City.

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Chemical Workers And Payrolls Gain

—*Continued from page* 3

The bureau's general index numbers for all manufacturing industries June 15, 1940, showed the following comparisons:—

	June, 1941.	May, 1941.	June, 1940.
Employment	127.6	124.8	103.1
Payroll totals	152.0	144.0	99.5

Employment in the chemical group of industries was 5.4 percent above the average of all industries. Payroll totals were 11.3 percent above the general average for industries.

Detailed Comparisons

Employment

(100=1923-25 average)

	June, 1941.	May, 1941.	June, 1940.
Chemicals	172.4	166.8	138.3
Cottonseed oil, cake and meal	63.8	70.9	51.4
Druggists' preparations	127.2	125.2	115.8
Fertilizers	91.2	127.1	88.5
Paint and varnishes	144.7	141.4	126.4
Petroleum, refining	125.6	122.0	123.2
Rayon and allied products	326.0	323.5	306.0
Soap	93.3	92.2	81.5

Payroll Totals

(100=1923-25 average)

	June, 1941.	May, 1941.	June, 1940.
Chemicals	233.0	221.8	165.2
Cottonseed oil, cake and meal	59.2	65.5	46.3
Druggists' preparations	150.1	142.8	126.1
Fertilizers	92.3	127.4	78.4
Paint and varnishes	178.0	170.4	136.2
Petroleum	156.8	146.3	137.1
Rayon and allied products	363.6	356.2	314.3
Soap	129.2	125.7	100.4

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1940 average:—

	Employment. June, 1941.	May, 1941.	Payroll totals. June, 1941.	May, 1941.
Metalliferous mining	78.2	78.3	86.0	81.8
Quarrying and nonmetallic mining	51.7	51.3	55.5	53.6
Crude petroleum producing	61.6	60.4	59.4	59.6
Dyeing and cleaning	122.9	120.7	98.4	95.6

Employment in New York

Employment in factories producing chemicals and related products in New York State gained 2.0 percent and showed an increase of 1.1 percent in the city from May 15 to June 15, according to the records of the State Department of Labor.

General factory employment increased 2.0 percent from May 15 to June 15, and payrolls 4.6 percent during the same period. The department's index of employment for June 15 was 116.1. The payroll index was 134.9. These indexes are based on the average years 1925-27 as 100.

	Percentages State.	City.
Drug and industrial chemicals	+1.7	−0.3
Oil products	+3.2	+4.0
Paints and colors	−2.7	−3.6
Photographic and miscellaneous chemicals	+2.5	+2.0
	+2.0	+1.1

Bids Wanted

—*Continued from page* 4

Chrome Yellow: — 10,000 Pounds; Purchasing Agent, Bureau of Engraving & Printing, Washington; invitation BEP-92, opening August 12.

Cresol Solution: — 450 gallons; Supply Officer, Navy Yard, Philadelphia, Pa.; requisition 1503, opening August 12.

Drugs:—Supplies of: Chicago, Illinois & Perry Point, Md., invitation 27, opening August 13.

Ether: — 300,000 pounds; Commanding Officer, Picatinny Arsenal, N. J., procurement 245, opening August 15.

Ferrosilicon: — 90,000 pounds; Signal Corps Procurement District, Army Base, Brooklyn, N. Y., circular 41, opening August 11.

Lubricating Oil:—500,000 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; circular 209, opening August 13.

Potash Chlorate: — 400 pounds; Commanding Officer, Picatinny Arsenal, N. J., procurement 228, opening August 19.

Putty:—6,000 pounds; Procurement Division, Treasury Department, Washington, D. C., invitation 589-S5, opening August 13.

Putty:—2,500 pounds; Procurement Division, Treasury Department, Washington, D. C., invitation 588-S5, opening August 13.

Soap: — 30,000 pounds; Quartermaster, Marine Corps, Washington; schedule 298, opening August 18.

Soda Carbonate:—37,500 pounds; Procurement Division, Treasury Department, Washington, invitation 587-S3, opening August 13.

Soda, Caustic:—50,000 to 100,000 pounds; Signal Corps Procurement District, Army Base, Brooklyn, circular 41, opening August 11.

Soda, Hyposulphite: — 750,000 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; circular 192, opening August 12.

Soda, Thiosulphate: — 300,000 pounds; Procurement Division, Treasury Department, Washington; invitation 586-S3, opening August 13.

Starch:—3,500 pounds; Purchasing Agent, Bureau of Engraving & Printing, Washington; invitation BEP-104, opening August 14.

Green Toner: — 300 pounds; Bureau of Engraving & Printing, Washington, invitation BEP-91, opening August 13.

Soda Phosphate:—195,000 pounds; Procurement Division, Treasury Department, Washington, invitation 591-S3, opening August 13.

Soda Phosphate:—40,000 pounds; Procurement Division, Treasury Department, Washington, D. C., invitation 591-S3, opening August 13.

Varnish:—800 gallons; Procurement Division, Treasury Department, Washington, invitation 590-S5, opening August 13.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to August 6 as follows:—

Army Ordnance

Carbon Tetrachloride:—$21,900, Dow Chemical Company, Midland, Mich.; $5,475, Warner Chemical Company, South Charleston, W. Va.

Lead, Antimonial:—$31,875, U. S. Metals Refining Company, Carteret, N. J.; $209,065.50, Pennsylvania Smelting & Refining Company, Philadelphia; $142,250, George Sall Metals Company, Philadelphia.

Metal Cleaner:—$1,425, J. B. Ford Company, Wyandotte, Mich.

Oil, Machine and Motor:—$1,408.75, Texas Company, Boston, Mass.

Propane:—$1,186, New England Gas Products, Inc.; Charlestown, Mass.

Wax:—$2,910, Zophar Mills, Inc., Brooklyn, N. Y.

California Mineral Resources Reported

—*Continued from page* 3

The papers are being issued at the rate of four a month. Those now available have to do with the following minerals (the parenthetical figure is the serial number of the relevant paper):—

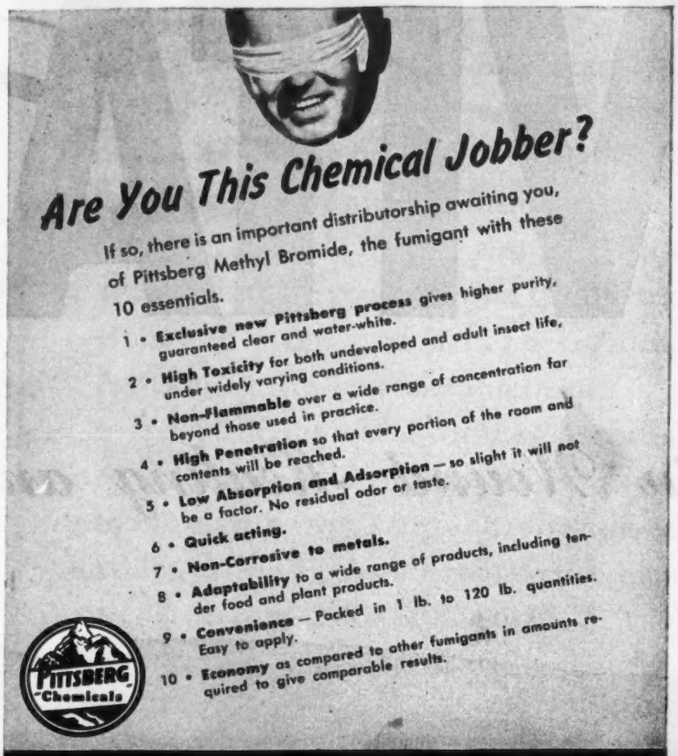
Aluminum (8)	Manganese (3)
Antimony (6)	Mica (7)
Asbestos (13)	Nickel (10)
Beryl (11)	Platinum (14)
Borates (16)	Quartz (12)
Chromite (2)	Quicksilver (5)
Iodine (15)	Tin (9)
Magnesite (1)	Tungsten (4)

Copies may be got at the offices of the State Division of Mines:—San Francisco, Ferry building; Los Angeles, State building; Sacramento, State office building; Redding, Chamber of Commerce. Copies will be sent by mail upon receipt of postage charges of 3 cents each.

C.S.A. to Golf August 12

The Salesmen's Association of the American Chemical Industry will hold its third golf tournament at the Montclair Golf Club, Montclair, N. J., August 12. P. P. LoBue, of Joseph Turner & Co., Ridgefield, N. J., is in charge of reservations.

Robert Gair Company, container manufacturer, this city, has purchased the Buffalo division of the American Box Board Company.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VITAMIN C

in Wound Healing and Surgical Conditions

possible role of vitamin C in infectious diseases but the evidence is not yet clearcut. The effect of vitamin C on the integrity of the tissues is probably concerned with its role in the production of normal intercellular cement substances. This in turn may be prerequisite to the maintenance of natural resistance of the organism to infection.

Evidence showing the desirability of trying the effect of administering vitamin C, along with other treatment of infections, has been obtained chiefly by studying the vitamin C content of the blood plasma and the amount of vitamin C excreted in the urine. Low values for either or both have been observed in mild coryzal fever, acute pharyngitis, persistent chronic nasal sinusitis, chronic otitis media, acute respiratory infection, active osteomyelitis, rheumatoid arthritis, and rheumatic fever in children.

The administration of vitamin C has been tested in a number of disease conditions, and favorable reports have appeared in pneumonia, pertussis and rheumatic fever. Negative results have been reported in poliomyelitis, and the results are inconclusive in diphtheria.

It is evident that vitamin C is not a specific therapeutic agent in the treatment of any of these diseases. It should not be forgotten, however, that the importance of an ample diet has long been recommended in the treatment of febrile conditions, and such patients have perhaps an increased requirement for all of the vitamins.

WOUND HEALING AND SURGICAL CONDITIONS

Hans Aron [64] noted that in scorbutic children wounds of the skin often remained open without a tendency to heal. Following therapy with vitamin C, he observed that these wounds healed quickly. In a 6 weeks old infant whose laparotomy wound opened postoperatively, Lanman and Ingalls [132] noted a definite early scurvy at autopsy. The authors then performed laparotomy on guinea pigs which had been on previous scorbutic diets. At intervals after operation the animals were killed and the authors report that the wounds broke down more easily in the scorbutic pigs than in the

132. Lanman, T. H., and Ingalls, T. H.: Vitamin C Deficiency and Wound Healing: Experimental and Clinical Study, Ann. Surg. **105**: 616 (April) 1937.

nonscorbutic controls. On histologic examination they noted defective repair of the corium and a poor production of collagen in the scars of the scorbutic animals. This is in agreement with the role which vitamin C plays in the formation of collagen. Taffel and Harvey [133] have recently confirmed the work of Lanman and Ingalls and expressed the opinion that vitamin C deficiency in man may indeed be one of the major causative factors in these cases of wound disruption where there is no evidence of infection of the wound. From the evidence presented one may conclude that vitamin C has an important role in the healing of surgical wounds. When a history of low vitamin C intake or a low plasma value is obtained preoperatively, it would seem logical to administer vitamin C preoperatively and postoperatively. Hanke [134] noted apparent acceleration of bone healing in fractures following administration of vitamin C. Lauber, Bersin and Nafziger [135] report an increased demand for vitamin C in infection of a surgical nature. Myerson [136] suggests that vitamin C deficiency is one of the possible factors in hemorrhage following tonsillectomy.

CONCLUSIONS

Vitamin C is definitely indicated as a therapeutic agent in the prevention and cure of scurvy. Whether vitamin C has a definite causal relationship to any other pathologic process is as yet uncertain. The vast amount of investigative and clinical research reported to date seems to be indicative of a further therapeutic role for vitamin C, though not enough progress has been attained to allow definite therapeutic conclusions to be formulated. Certain suggestive conditions may be briefly outlined when, aside from the prevention and cure of scurvy, vitamin C may be therapeutically indicated.

An ample supply is indicated in the diet of the pregnant woman and nursing mother. If the pos-

133. Taffel, M., and Harvey, S. C.: Effect of Absolute and Partial Vitamin C Deficiency on Healing of Wounds, Proc. Soc. Exper. Biol. & Med. **38**: 418 (May) 1938.
134. Hanke, H.: Experimentelle Untersuchungen über Beeinflussung der Knochenregeneration durch Vitamin C, Deutsche Zts. f. Chir. **245**: 530, 1935.
135. Lauber, H. J.; Bersin, T., and Nafziger, H.: Der Ascorbinsäurebedarf bei chirurgischen Infectionen, Klin. Wchnschr. **16**: 1274 (Sept.) 1937.
136. Myerson, M. C.: Hemorrhage Following Tonsillectomy, Am. J. Surg. **36**: 151 (April) 1937.

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BIBLIOGRAPHY

Allen, A. W., Nutritional factors influencing wound healing, Internat. Abstr. Surg. 69:111-112, 1939; in Surg. Gynec. & Obst. Aug. 1939.

Bartlett, M. K., Jones, C. M., and Ryan, A. E., Vitamin C studies on surgical patients, Ann. Surg. *111*:1-26, Jan. 1940.

Crandon, J. H., Lund, C. C., and Dill, D. B., Experimental human scurvy, New England J. Med. *223*:353-369, Sept. 5, 1940.

Croft, J. D., and Snorf, L. D., Cevitamic acid deficiency; frequency in group of 100 unselected patients, Am. J. M. Sc. *198*:403-408, Sept. 1939.

Hartzell, J. R., Winfield, J. M., and Irvin, J. L., Plasma vitamin C and serum protein levels in wound disruption, J. A. M. A. *116*:669-674, Feb. 22, 1941.

Hoebel, F. C., Vitamin C as related to surgical patients, Rep. Passavant Mem. Hosp. Resident Staff, No. 15, Oct. 15, 1940.

Holman, E., Vitamin and protein factors in pre-operative and post-operative care of the surgical patient, Surg. Gynec. & Obst. 70:261-269, Feb. 15, 1940.

Ingalls, T. H., and Warren, H. A., Asymptomatic scurvy, its relation to wound healing and its incidence in patients with peptic ulcer, New England J. Med. *217*:443-446, Sept. 9, 1937.

Lanman, T. H., and Ingalls, T. H., Vitamin C deficiency and wound healing, Ann. Surg. *105*:616-625, April 1937.

Lanman, T. H., Relation of vitamin C deficiency to wound healing, J. Pediat. *12*:416, March 1938 (in Soc. Proc.)

Lund, C. C., Effect of surgical operations on level of cevitamic acid in blood plasma, New England J. Med. *221*:123-127, July 27, 1939.

Lund, C. C., and Crandon, J. H., Human experimental scurvy and relation of vitamin C deficiency to postoperative pneumonia and to wound healing, J. A. M. A. *116*:663-668, Feb. 22, 1941.

Mason, M. L., Wound healing, Internat. Abstr. Surg. 69:303-315; in Surg. Gynec. & Obst., Oct. 1939.

McNealy, R. W., Gubler, J. A., and Tuft, E. H., Dietary deficiencies in surgical patients, Surg. 6:48-64, July 1939.

Puestow, C. B., Vitamins and surgery; (collective review), Surg. Gynec. & Obst. 70:195-201, Feb. 1, 1940.

Taffel, M., and Harvey, S. C., Effect of absolute and partial vitamin C deficiency on healing of wounds, Proc. Soc. Exper. Biol. & Med. *38*: 518-525, May 1938.

Whipple, A. O., Critical latent or lag period in healing of wounds, Ann. Surg. *112*:481-488, Oct. 1940.

Wolfer, J. A., and Hoebel, F. C., Significance of cevitamic acid deficiency in surgical patients, Surg. Gynec. & Obst. 69:745-755, Dec. 1939.

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1934 *Ascorbic Acid Merck (U.S.P.) was made available.*
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1938 *Nicotinic Acid Merck (U.S.P.) was made available.*
1938 *Riboflavin Merck (Vitamin B_2) was made available.*
1938 *Alpha-Tocopherol (Vitamin E) was identified and synthesized by Merck chemists and their collaborators in other laboratories.*
1939 *Vitamin B_6 was synthesized in the Merck Research Laboratories.*
1940 *Vitamin B_6 Hydrochloride Merck was made available.*
1940 *Alpha-Tocopherol Merck (Vitamin E) was made available.*
1940 *2-Methyl-3-Phytyl-1, 4-Naphthoquinone (Vitamin K_1) was made available.*
1940 *2-Methyl-Naphthoquinone Merck (Vitamin K Active) was made available.*
1940 *Pantothenic Acid (Member of B Complex) was identified and synthesized by Merck chemists and their collaborators in other laboratories.*
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Coaltar Chemicals

Practically All Materials Well Booked Ahead on Contract—Benzol Supplies Tightening — Tar Acids Continue Short — No Improvement Noted in Phthalic Anhydride Position

An active buying movement continued to characterize business in the market for coaltar chemicals last week. The heavy volume of the past several months gave no signs of tapering off, and a general tightness was prevalent in practically all divisions of the market. Shipments continued to regular contract consumers as steadily as possible, although dislocations were evident as the result of prior defense needs. Prices held at previous levels, while the tone was very firm.

Practically all basic materials were well booked ahead against contracts. Benzol situation gave further evidence of tightening, the same held true for xylol, which has been in sold up position for some weeks. Supplies of toluol were virtually absorbed by direct defense requirements. Tar acids continued in a very short position, cresylic acid business was limited to regular contract consumers; supplies of crude naphthalene went directly to major channels for defense work, while large quantities of phenol were taken by the plastic trade. Pyridin and tar acid oils moved steadily.

With few exceptions supplies of intermediates were moving directly to regular contract accounts. Sellers were not taking on any new business, endeavoring to fill contract allotments. Defense needs caused some dislocations in supplies. No improvement was noted in phthalic anhydride situation, and sellers were forced to pro rate available quantities.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	127.7	127.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Situation tightening, while demand continues steady. Prices unchanged and firm.

Coaltar.—Shipments moved steadily against contracts. Prices display firmness.

Creosote Oil.—A good replacement demand continued in evidence. The market tone was firm, and prices remain the same.

Cresols. — Heavy demand, with available quantities confined to regular contract consumers for normal needs. Prices lack change.

Cresylic Acid.—Active inquiry, with sellers following the same course of limiting business to regular accounts. Prices remain the same.

Naphthalene.—Supplies of crude well absorbed, and market in tight position. Prices for refined firm at recently established levels.

Oil, Shingle Stain.—Moderate movement. No change disclosed in the prices.

Phenol.—Shipments moved briskly, with demand continuing heavy. Prices underwent no alteration.

Pitch, Coaltar.—A routine demand prevailed. A firm price tone characterized the trading.

Pyridin.—Shipments held steady to regular trade. Prices were unchanged and firm.

Tar Acid Oils. — Market position underwent little improvement, with available offerings absorbed. Prices unaltered.

Toluol.—Defense needs consumed available output, and market was in firm position.

Xylol.—A tight situation was prevalent, and prices display firmness.

Anilin Oil

Direct government purchases have already absorbed, and probably will continue to take large quantities of anilin oil for defense purposes. Substantial amounts go into the production of diphenylamine in making certain explosives. The principal civilian use is the manufacture of various anilin dyes. Heavy defense purchases have naturally created a tighter situation, and sellers were allocating supplies among regular contract consumers.

Domestic production has been stepped up considerably, and present estimates place output at approximately 70,000,000 pounds per annum. Latest available statistics reported by the tariff commission showed 1940 production of 55,719,733 pounds and sales totaled 20,074,178 pounds, as compared with 41,775,370 pounds and 13,348,564 pounds, respectively, in the 1939 year.

Anilin oil has been placed on the export license control list, requiring an affidavit to destinations other than the British Empire. During the first three months of 1941 exports amounted to 1,508,558 pounds, of which 1,363,500 pounds went to the United Kingdom. No previous comparison is available, since the material was only classified this year.

Prices underwent no alteration since the beginning of the war. Quotations quoted today in tanks, 14½c. per pound; car lots, drums, 15c., and less car lots 16c. per pound, have been in effect for some time.

Chicago Coaltar Bases

Coaltar bases moving well. Benzol business is continuing active, with price fully firm and material apparently wanted in good quantity. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Demands steady, while market retained its firmness.

Benzoic. — Shipments confined to regular contracts as a rule. Prices firm.

Broenner's. — Routine withdrawals, while prices failed to change.

Cleve's.—Interest moderately active. Prices rule firm.

Fumaric. — Active inquiry. No change disclosed in the quotations.

Gamma. — Usual consumers made steady replacements. Prices unchanged.

H.—Dealings remain strictly routine, and prices were the same.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Maleic. — Shipments moved at a brisk pace, while market position remained firm.

Malic.—Demand moderately active. Prices without alteration.

Picramic. — Steady inquiry. No change disclosed in the quotations.

Picric.—Defense needs continue to take most available output. Prices rule unchanged.

Salicylic. — A good demand prevailed for technical grades. Prices firm.

Sulphanilic.—Shipments well sustained against contracts. No change occurred in the prices.

Tobias.—A brisk buying movement continued. Prices held firm.

Other Intermediates

Alphanaphthol. — Demand steady. Pricewise a firm tone predominated.

Alphanaphthylamine. — Consumers made steady replacements against contracts.

Anthraquinone.—Withdrawals good, and position of market held firm.

Benzaldehyde. — Sellings usually confined to regular contract accounts for normal requirements.

Benzidin Base.—Shipments steady, and tone of market firm.

Betanaphthol. — Active inquiry, while selling was restricted to regular accounts for normal needs. Prices firm.

Betanaphthylamine. — Withdrawals moderately active. Prices unchanged and firm.

Diethylanilin. — Shipments moved steadily, and market was firm.

Dimethylanilin. — Demand heavy, and market in tight position. Prices rule firm.

Dinitrobenzene. — Selling usually limited to regular contract accounts. Prices lack change.

Dinitrochlorobenzene. — Withdrawals steady. No change occurred in the quotations.

Dinitronaphthalene.—Buying steady from usual sources. Prices firm.

Orthodichlorobenzene. — Shipments steady to regular trade. Prices firm.

Orthonitroanilin. — Commitments good, and market firm.

—Continued on page 36

Military Fabrics Color Fastness Being Studied

Cooperating with United States government in an investigation aimed at the improvement of woolen and worsted olive drab uniform fabrics with respect to color fastness, the American Association of Textile Chemists and Colorists has appointed a committee to work with the Quartermaster Corps. Dr. L. A. Olney, director of research for the association, is chairman of the committee. Tests are being carried out at the Lowell Textile Institute.

Trade Briefs

Modern Plastic Company is erecting an addition to its factory at 4641 Pacific boulevard, Vernon, Calif.

Printing ink exports from the United States advanced 24 percent in value to $738,000 during the first 5 months of 1941.

George A. Whiting, president of the Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, is recovering from an operation in St. Agnes Hospital there.

Raymond L. Haynie, president of the Reedville Oil & Guano Company, Reedville, Va., is at the Johns Hopkins Hospital, Baltimore, convalescing from an eye operation, to which he submitted several weeks ago.

Carnmex Guano Company, Ltd., are installing equipment to mine and produce guano on its leased property in the Carlsbad Caverns National Park. The company maintains headquarters at San Antonio, Texas.

H. Bennett, of Crowley & Bennett, technical consultants, Chicago and Brooklyn, N. Y., departed August 9 for Guatemala. He will also visit Honduras, El Salvador, Nicaragua, and Costa Rica. Mr. Benneft will be concerned with setting up small plants for making products from coffee, wood-waste, sharks, cattle by-products and vegetable products.

Current Market Quotations

Zinc Oxide—Zirconium

—Continued from page 25

Zinc, oxide, pigment, French process, green seal, bgs., c.l., dlvd..lb.	.08¼- —
l.c.l., dlvd.....lb.	.08½- —
bbls., c.l., dlvd..lb.	.08½- —
l.c.l., dlvd.....lb.	.08⅝- —
red seal, bgs., c.l., dlvd.lb.	.07⅝- —
l.c.l., dlvd.....lb.	.08 - —
bbls., c.l., dlvd.....lb.	.08 - —
l.c.l., dlvd.....lb.	.08¼- —
white seal, bgs., c.l., dlvd. lb	.08⅜- —
l.c.l., dlvd.....lb.	.09 - —
bbls., c.l., dlvd..lb.	.09 - —
l.c.l., dlvd.....lb.	.09½- —
imported, gold seal, cks., ex whse..lb.	No prices
green seal, bbls., ex whse., lb.	No prices
white seal, cks., ex whse..lb.	No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb.	.10 Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb.	.24½- .27½
Resinate, fused, pale, bbls...lb.	.10 - —
precip., dms., dlvd.....lb.	.15 - —
Stearate, tech., precip., bbls., ctns., one ton..lb.	.27 - —
smaller lots.....lb.	.28 - —
USP, bbls.....lb.	.25 - .27
Sulphate, cryst., bgs., c.l., 100 lbs.	3.40 - —
l.c.l. .....100 lbs.	4.15 - —
bbls., c.l.....100 lbs.	3.65 - —
l.c.l. .....100 lbs.	4.40 - —
flake, bgs., c.l.....100 lbs.	3.80 - —
l.c.l. .....100 lbs.	4.55 - —
bbls., c.l.....100 lbs.	4.05 - —
l.c.l. .....100 lbs.	4.50 - —
powd., bgs., c.l.....100 lbs.	5.35 - —
l.c.l. .....100 lbs.	6.10 - —
bbls., c.l.....100 lbs.	5.60 - —
l.c.l. .....100 lbs.	6.35 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb.	.07¾- —
l.c.l., dlvd.....lb.	.08 - —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb.	.08 - —
l.c.l., dlvd.....lb.	.08¼- —
Zinc, sulphide, barium, pigment, bgs., c.l., dlvd..lb.	.05¼- —
l.c.l., dlvd.....lb.	.05½- —
calcium pigment, bgs., c.l., dlvd..lb.	.05¼- —
l.c.l., dlvd.....lb.	.05½- —
magnesium pigment, bgs., c.l., dlvd..lb.	.05¼- —
l.c.l., dlvd.....lb.	.05⅝- —

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms..lb.	.24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 - —
l.c.l., works.....100 lbs.	6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05¼- —
l.c.l., dlvd., except Pac. cst..lb.	.05⅝- —
ex whse., Pac. cst..lb.	.05⅝- —
Zirconium nitrate, kgs., works..lb.	3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.	75.00 -100.00
white, 98%, grd., kgs., works, lb.	1.80 - 2.00

Synthetic Resins

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the August 4 issue, the next printing will be in the September 1 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.

Certified Food Colors Handbook Available

Warner - Jenkinson Manufacturing Company is distributing a handbook on its "Red Seal" certified food colors. Chapters in the 40-page handbook are devoted to the following:—"Certified Food Colors—What They Are"; "Forms of Certified Food Colors"; "Color in Carbonated Beverages"; "Color in Ice Cream, Ices and Sherbets"; "Color in Candy"; "Color in Other Miscellaneous Foods Products"; "Some Common Color Troubles," and "The New Color Regulations, and New Certified Colors." Copies of the booklet may be obtained from the office of the manufacturer, 2526 Baldwin street, St. Louis, Mo., by mention the REPORTER.

Benzol Freights Reduced

The New York Public Service Commission has approved new commodity freight rates of the New York Central Railroad on benzol in barrels, or in tankcars, carload, minimum weights as specified in tariff, from Buffalo stations to North Tonawanda 4c. per hundredweight, reduction 3c. Effective September 1.

KOPPERS *Tar Bases*

PYRIDINE—2° and denaturing grades, as well as special fractions as required.

PICOLINES—2° alpha picoline and 3° beta picoline, gamma picoline, alpha alpha lutidine fraction.

LUTIDINES—3° alpha alpha lutidines, picoline fraction.

Also higher-boiling pyridine bases.

QUINOLINE—2°
Also higher-boiling quinoline bases.

OTHER KOPPERS CHEMICALS AND SOLVENTS

Coal Tar Solvents: Benzol (All Grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash).

Tar Acids: Phenol (82% and 90% and 39° Melting Point Pure) . . . Cresol (U.S.P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Many Distillation Ranges) . . . Tar Acid Oils.

Naphthalene (Crude and Refined)

Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote.

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Paving Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus . . . Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber.

KOPPERS COMPANY

TAR AND CHEMICAL DIVISION · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 35

Orthonitrotoluene.—Market position tight, and selling limited. Prices firm.

Orthotoluidin. — Situation remains the same, with selling restricted to regular trade.

Parachlorophenol. — Withdrawals continued steady against contracts. Prices firm.

Paranisidin.—Steady demand. No change developed in the quotations.

Paranitroanilin. — Good interest, while prices held firm.

Paranitrochlorobenzene. — Business moderately active. Prices unchanged.

Paranitrophenol. — Market firm, while buying was steady.

Paranitrotoluene. — Good demand continued to characterize the market, while prices experienced no change.

Paratoluidin.—Sellings restricted to regular consumers, and prices lack change.

Phthalic Anhydride.—Situation remains short, with available supplies allocated among regular consuming trade. Prices unchanged and firm.

R. Salt.—A routine interest prevailed. Prices without change.

Dinitrophenol. — Market position tight. and buying steady. Prices without change.

Dinitrotoluene. — Firmness characterized the market, while business was limited to normal needs.

Diphenyl.—Inquiries and shipments steady. Prices lacked change.

G. Salt.—A routine interest prevailed. Prices remain the same.

Metanitroparatoluidin. — Steady inquiry for moderate quantities as a rule. Prices firm.

Monochlorobenzene. — Purchases brisk, with sellers limiting business to regular accounts. Prices held the same.

Nitrobenzene. — Active buying, while market fully retained its firm tone.

Nitronaphthalene. — Business held at steady levels. Nothing new disclosed in the prices.

Orthochloroanilin. — Shipments moved well against contracts to keep market in firm position.

Orthochlorophenol. — Usual consumers provided a good replacement interest. Quotations unaltered.

Orthocresol.—Business allocated as a rule among regular trade. Prices underwent no change and tone was firm.

Thiocarbanilide. — Dealings remained steady to regular consumers. Prices held at previous levels.

Toluidin.—Steady movement against contracts, while prices were firm.

Xylidin.—Buying held at steady levels. Pricewise a firm tone remained in evidence.

Coaltar Colors

An active demand prevailed for various coaltar colors last week. For the most part sellers were able to keep abreast of the situation, however, slight delays were not uncommon due to the unprecedented inquiry for practically all colors emanating from the textile industries as well as the paper, leather and color lake field. No actual shortages prevailed, but the general situation was regarded as tightening. Prices held at the same levels, and the tone held firm.

The unsettlement in the silk industry will cause some diversion of dyes where substitutes are contemplated. In an effort to avert complete dislocation of the silk hosiery and civilian silk weaving industry, now threatened by the suspension of all civilian silk processing, the OPAC announced an emergency program requiring rayon yarn producers to set aside immediately an amount equal to one-tenth of their total daily output and a like amount of yarn stocks on hand, for allocation among the manufacturers of hosiery and other products heretofore made largely or wholly of silk. Trade estimates that 20 percent of hosiery requirements can be made from nylon, while use of cotton lisle yarns will also be made.

Price Ceilings to Be Based on Output Costs

—*Continued from page* 3

OPACS is able to act much more quickly than the price-fixing board in World War days, he said, because at that time prices got out of hand before the government stepped in and the board was faced with the task of bringing these prices back to reasonable levels through a long drawn out process of negotiation.

Installment Buying Control

The question of installment banking, Mr. Henderson told the committee, was, in his opinion, adequately covered by the emergency banking act of 1933. However, he added, the question is of such critical importance that if this law does not cover the question of control of installment credit, legislation should be enacted to cover it. All other attempts at price-fixing would be nullified by "unbridled installment selling," he said.

Constitutionality of Law

Questioned concerning the Constitutional authority for the proposed legislation, David Ginsberg, OPACS general counsel, said that there are three bases for the law. First, he said, the general powers in connection with the defense of the country; second, the power of Congress to determine currency value, and third, the commerce clause of the Constitution.

Stauffer Co. to Build Alumina Sulphate Unit

The Stauffer Chemical Company, San Francisco, plans the construction of a $100,000 plant in Portland, Ore. The plant will be utilized for the production of alumina sulphate for the paper industry.

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-eighty-eighth Instalment

Plants

Spraying Agents for Protecting and Treating Plants

(Continued from August 4 issue)

Thiocyanic acid 4-methylthiobenzylester
Thiocyanic acid 2-methylthiol-5-methylbenzylester
Thiocyanic acid naphthylester
Thiocyanic acid nitrobenzylester
Thiocyanic acid 6-nitroisophthalalester
Thiocyanic acid 2-octylester
Thiocyanic acid para-aminophenylester
Thiocyanic acid para-dimethylaminophenylester
Thiocyanic acid para-morpholinphenylester
Thiocyanic acid 2-phenoxypropylester
Thiocyanic acid phenylester
Thiocyanic acid 3-phenyloxypropylester
Thiocyanic acid 1-phenyl-2-thiocyanoethylester
Thiocyanic acid picolinester
Thiocyanic acid 2:3-propoxyethyloxyethylester
Thiocyanic acid pyridylester
Thiocyanic acid terephalalester
Thiocanic acid 2-thiocyanoethylester
Thiocyanocetic acid amylester
Thiocyanocetic acid betaethoxyethylester
Thiocyanocetic acid 2:2-butoxyethoxyethylester
Thiocyanocetic acid cyclohexylester
Thiocyanocetic acid methylester
Thiocyanocetic acid secondary octylester
Thiocyanoacetone
Thiocyanoanilin
Thiocyanoanisidin
Thiocyanomalonic acid diethylester
Thiocyanothio ethers
Thiocyanotoluidin
Thioethyl cresylether
Thioethyl propylether
Thiophenol
Thiosemicarbazide
2-Thiol-2:4-thiazolidione
Thioureas
Thiuramsulphides of dithiocarbamic acid
Tobacco
Trichloromesityloxide reacted with alkali thiocyanates
Triethanolamine fluosilicate
2:4:6-Trihydroxybenzimidothiophenylether hydrochloride
2:4:5-Trimethoxybenzoyl ester of isothiocyanic acid
Trimethylgalloyl isothiocyanate
Vegetable extracts
Whale-oil soap
White arsenic
Xanthates
Zinc arsenate
Zinc arsenite

Stimulants of Growth in Dormant Plants

Chlorhydrin dip
Ethyl bromide
Ethylene
Ethylene dichloride
Ethylenechlorhydrin
Kerosene (burning in stoves scattered throughout storage rooms of citrous fruits)
Furfural
Products of combustion of kerosene (helps decolorize green pigment in citrous fruits)
Sodium thiocyanate
Thiourea
Vinyl chloride

Plastics

Binders Used in Thermoplastic Plastics

Acrolein
Acryl type resins
Acrylate esters
Acrylonitrile
Aromatic vinyl resins
Aromatic halides
Artificial resins
Asphalt
Bitumene
Cellulose esters
Cellulose ethers
Chlorinated diphenyls
Chlorinated naphthalene
Condensation polymers
Copals
Cumars
Dihalongenated hydrocarbon and metallic sulphides
Divinyl resins
Drying oils
Emulsions
Ethylene addition polymers
Gelatin
Glue
Gums
Indenes
Ketenes
Lacquers
Methylene ketones
Orango-soluble rosins
Paraffin
Petroleum products
Phenol aldehyde, acid-catalyzed
Polyesters
Resins
Rosin
Rubber
Rubber latex
Styrene
Synthetic resins
Vinyl esters
Vinyl esters copolymerized with halide modified with aldehyde
Vinyl halides
Waxes

Binders for Thermosetting Plastics

Accroides gum
Addition polymers
Albumen
Aldehyde-type polymers
Aliphatic amines
Alkyds
Aromatic amines
Aromatic gums
Artificial resins
Casein
Condensation polymers
Gelatin
Hybrid polymers
Ketones
Phenolic polymers
Polyesters
Polyvinyls
Shellac (with suitable catalyst)
Sulphoamides
Synthetic resins
Thiourea
Unsaturated polyesters
Urea
Urisohl

Dispersing Agents Used in Making Emulsified Plastic Compositions

Abietine sulphonate
Abietinesulphonic acid
Acacia
Acenaphthalene
Acenaphthenedisulphonic acid
Acenaphthenesulphonic acid
Acid amides
Acid esters of fatty alcohols
Acimul
Acorn starch
Acylated P or secondary alkovyarylamine meta- or para-aminosulphonic acids of the benzene series with oleic acid or its anhydride or chloride
Agar
Albasol
Alborit
Albuminous substances
Alcohol sulphates
Alkali sludge sulphonates
Alkanol
Alkyl ricinoleates
Alkylanilides
Alkylated aromatic sulphonic acids
Alkylated hydroaromatic sulphonic acids
Alkylated naphthenesulphonic acids
Alkylether alphathiosulphonic acids
Aluminum naphthenates
Aluminum oleate
Aluminum soaps
Amides
4-Amino-1-ethoxybenzene-2-sulphonic acid with oleic acid
Aminostearin
Ammonium betatetrahydronaphthalenesulphonat
Ammonium butyrate
Ammonium cetylpalmitate
Ammonium 1:6-chloronaphthalenesulphonate
Ammonium hydroxide
Ammonium linoleate
Ammonium myristiylpalmitate
Ammonium resinate
Ammonium stearate
Ammonium tannate
Ammonium tungstate
Amyl 4-sulphophthalate
Amylamines
Amyltetrahydronaphthalenecarboxylic acid
Anthracenesulphonic acid
Arabic acid
Areskap
Aresket
Aresklene
Arrowroot starch
Arum starch
Beidellite
Bentonite
Beta-aminoethylphenyl ether acylated with lauric acid and sulphonated
Beta-aminoethylphenyl ether acylated with stearic acid and sulphonated

(To be continued)

Dyestuffs, Textile and Leather Chemicals

Demand Steady with Inquiries Exceeding Available Supplies —Deliveries of Bichromates Limited by Priority Regulation —Egg Products Unchanged—Tanning Materials Active

Demand continued steady in the market for most dyestuffs, textile and leather chemicals last week. Inquiries far exceeded available supplies in quite a few items, and sellers refused to book too far ahead in view of the general uncertainties surrounding future replacements. Not too much concern was felt over the prospects of closing down silk production for civilian use. In the case of natural dyestuffs, it was explained that silk industry for the past few years has been switching to other materials. For the first time in several weeks, prices held at previous levels, although the tone was firm.

Shipments of bichromates were on a restricted basis, with deliveries limited to the average monthly consumption of the preceding twelve month period. All defense orders, however, carry a preference rating. This follows the order of the OPM placing chromium under full priority control so as to build up a stock pile and meet any threat of shipping shortage limiting importations.

No further changes took place in dried egg products, situation continues tight. Natural dyestuffs were in moderate call. Corn derivatives moved steadily. Offerings of imported starches were restricted. Demand for tanning materials was heavy, but sellers were not able to handle all inquiries.

Chemicals

Alumina Acetate.—Offerings limited. Prices remain firm.

Alumina Chloride. — Situation remains tight. Quotations without change.

Ammonia Bichromate. — Moderate inquiry. No change in the prices.

Potash Bichromate.—Business allocated to regular consumers for normal needs. Prices firm.

Potash Prussiate. — A satisfactory replacement call was evident. No change in the prices.

Soda Bichromate. — Shipments steady to regular contract consumers for usual requirements. Prices unchanged and firm.

Soda Prussiate.—Business moderately active. Prices experienced no change.

Sulphonated Oils. — Steady movement, while a firm price tone prevailed.

Zinc Dust.—Business on restricted basis. Prices rule firm.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
228.4	228.4	225.7	144.8

Market news that may have developed after this report was sent to press will be found on page 4.

Gambier

Shipments of gambier from the Straits Settlement have been curtailed by lack of shipping facilities during the past several weeks. As a result offerings have been very small, and spot stocks were increasingly difficult to locate. One of the principal uses has been in the tanning of heavy leathers, and indirectly enters the defense program. No priority in shipping has been granted for gambier, with preference given to such strategic materials as tin and rubber emanating from the Far East. Some consumers have found it practical to substitute quebracho.

Virtually all the gambier originates from British Malaya and the Netherland Indies. During the first four months of this year imports amounted to 3,085,680 pounds, compared with 4,970,263 pounds in the corresponding period a year ago.

A gradual advance in prices occurred since the beginning of the war. Prices on August 28, 1939, were 6¾c. for the common; 8c. for plantation and 8½c. per pound for the Singapore cubes, compares with nominal quotations today of 9c. for the common; 12c. for plantation and 10c. for Singapore cubes. Most of the advance reflects higher shipping and insurance costs.

Dyestuffs

Annatto. — Call moderate. Prices held at previous levels.

Cochineal.—Routine inquiry. Pricewise a firm tone prevailed.

Fustic. — Demand steady. A firm tone governed the dealings.

Indigo.—Business light. Prices held at firm levels.

Logwood. — Usual consumers made steady replacements to keep market firm.

Turmeric.—A moderate inquiry prevailed. Prices held at firm levels.

Sizing Materials

Albumen, Blood.—Steady inquiry. Market position remains firm.

Albumen, Egg. — Market position tight, with domestic prices firm at recently established levels.

Corn, Sugar. — Shipments steady. Prices display firmness.

Dextrin, Corn.—Bookings well sustained. No change in the prices.

Dextrin, Potato.—Purchases moderate and steady. Prices remain firm.

Egg Yolk.—A firm undertone predominated. Supplies limited.

Sago Flour.—Quotations unchanged. Offerings restricted.

Starch, Corn.—Shipments moved at a good pace, while prices held firm.

Starch, Potato. — Domestic prices without change. Fair size buying interest.

Starch, Rice.—No new price developments. Inquiries moderate.

Starch, Wheat.—Firm price tone, with usual consumers showing steady interest.

Tapioca.—Supplies curtailed, and offerings limited. Prices rule firm.

Tanning Materials

Chestnut Bark.—Steady shipments against contracts. Prices firm.

Cutch.—Business confined to regular channels. No change in prices.

Divi-Divi.—Steady inquiry. Prices underwent no change.

Hemlock Bark.—A satisfactory replacement interest displayed. Prices firm.

Mangrove Bark.—Prices remain the same. Inquiries fairly steady.

Nutgalls.—Future shipments from China uncertain. Prices firm.

Oakbark.—A good interest continued, while prices were firm.

Osage Orange. — Call moderate. Nothing new occurred in the prices.

Quebracho.—Active demand. Pricewise a firm tone predominated.

Spruce.—Good interest. A firm price tone characterized trading.

Wattle Bark.—Withdrawals steady. Prices unchanged and firm.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

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FULL REMOVABLE HEAD LUG TYPE CLOSURE

Rubber gasket insures leak-proof safety of contents. Made in sizes 1½ to 7 gallons.

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Embossed vent. Pull out spout furnished at extra cost. Made in sizes 1 to 7 gallons.

FULL REMOVABLE HEAD BOLTED RING SEAL

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Other Thornton containers from 1 to 70 gallons

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6712 Union Avenue
CLEVELAND, OHIO

Dehydration of Tung Fruit

—*Continued from page 5*

containing from 48 percent to 30 percent moisture, the experiments were more encouraging. One manufacturer, using a temperature of 400° F., dried tung fruit from 47.6 percent to 15.8 percent moisture, while the moisture of the kernels dropped from 25 percent to 8 percent.

He felt that the tests were not conclusive, and requested that fruit be furnished for another test. However, laboratory analysis indicated no drop in the oil content of the tung kernels, and only a slight drop in the iodine value of the oil. Another manufacturer was convinced that his equipment could be used to dry tung fruits from 30 percent to 5 percent moisure. This experimental drying was accomplished at 275° F., and no diminution in the quantity or quality of the oil was noted in the dried fruit.

Both manufacturers found it necessary to break the tung fruit into segments in order to obtain efficient drying. When broken tung fruits are dried, care must be exercised to stop the drying process before the tung kernels become very dry and brittle. If this occurs, the dried kernels may become more or less broken during the hulling process, and the broken pieces may be aspirated away with the tung hulls; this would cause an appreciable loss of oil.

The preliminary drying of the tung fruits in the field appears both cheap and simple, but there are difficulties. Under favorable weather conditions, the ripe fruit which falls to the ground and stays there will lose about 50 percent of its weight in two weeks. Unfortunately, the tung fruits from different trees in the same orchard, and even the fruits from the same tree, do not all mature and drop to the ground at the same time. Therefore, the tung fruit found on the ground in the late Fall will probably be a mixture of dried, partly dried, and very moist fruit. If the fallen tung fruit were raked from under the trees into the sun and these fruits collected after two weeks, and if the raking and collecting were continued biweekly, the removal of moisture from tung fruit would be greatly facilitated. However, the producers state that such a system is too costly. If the partly dried fruits are exposed to rain, they quickly absorb a large amount of water, and it takes a number of clear days to evaporate this extra water. Furthermore, if the wet fruits are covered by leaves the drying is much retarded.

Barn Drying Cheapest

During the 1940-41 season the tung oil industry has favored the completion of the drying process in ventilated barns and bins, either with or without the artificial circulation of heated or unheated air through the fruit.

The ventilated barns probably offer the cheapest way of completing the drying of tung fruit. The sides of the barn are built of small pine logs, with ample gaps between the logs for air circulation, and are covered with coarse-meshed wire cloth. There are similar gaps in the floor, which is raised several feet above the ground and covered with wire cloth. The barns have galvanized-iron roofs with wide eaves.

Tests on tung fruits which were placed in such a barn near Ocala, Florida, about the middle of October, showed between 12 percent and 13 percent moisture by the first of February. Six such barns, located at La Crosse, Florida, were filled with tung fruits to a depth of about 16 feet during the first two weeks of December. Samples of the fruit in these barns were taken at the time of storage and at two-week intervals thereafter. By February 20 the moisture content of these fruits had decreased slowly from 17.3 percent to 12.6 percent. Two other barns filled January 2 with fruit containing 27.2 percent moisture, showed 14.3 percent moisture February 20. The moisture contents of the fruit in the different barns varied by several percent from the above average figures, both at the time of filling and at the time of the last sampling.

On account of the construction of these barns, it was impossible to draw the samples of tung fruit for analysis from all the representative levels of the barns. They were taken at several places 1 foot below the upper surface of the bulk of fruit, although it is recognized that the moisture content of the fruit may vary somewhat at different levels. The fruit will be more carefully sampled when the barns are emptied.. At that time samples will be taken at each of the different levels 1 foot apart between the surface and the bottom of the bulk of fruit in every barn. The analysis of the samples will yield information regarding both the moisture variations in the barns and the adequacy of the other method of sampling.

In another experiment at La Crosse a portable blower will be connected intermittently to different barns containing moist fruit, and will be operated on dry days. Our Tung Oil Laboratory will analyze the fruits from those barns before and after the operation of the blower to determine its effectiveness.

Other Methods to Be Tried

A large drying bin, with many louvres spaced along the floor and connected by a conduit to a blower, has been constructed at one tung oil mill. This is similar to the drying bins made for cottonseed. On dry days unheated air will be drawn through the tung fruit. It has been found that certain adjustments must be made before this equipment will be workable. When it is put into service, cooperative studies will be carried out to determine the effect of this drying procedure on the moisture content of the fruit and kernels.

Another tung oil mill has built large storage bins for tung fruit with steam pipes beneath them, and will draw air over these pipes and through the tung fruit in the bins. During the operation of these drying bins our laboratory will secure similar data with respect to the fruit and kernels, thereby testing its efficiency.

If the tung fruit is allowed to dry out thoroughly in the ventilated barns, it may be found that the kernels are quite dry and brittle. In this case an appreciable amount of the kernels may be broken and lost during the dehulling and separating processes.

On the other hand, if the tung fruits are hulled while the kernels are still moist and pliable, the tung oil miller will find that the kernels are too moist for an efficient extraction of the oil. This condition is likely to occur if the tung fruits are partly dried by artificial means, or if they have been exposed to rain shortly before being brought to the mill.

Drying the Kernel

Since excessively moist tung kernels have been quite prevalent this season, the drying of such kernels has been actively studied. Our laboratory experiments have indicated that, by passing hot air through the ground tung kernels, they can be readily dried at 212° F. without material injury to the oil. This finding, however, needs verification in the tung oil mill. Collaborative studies have been inaugurated with a drying equipment manufacturer, wherein a sizeable quantity of tung meal has been experimentally dried. The dried meal will be tested by the Tung Oil Laboratory to determine the effect of the drying process on the yield and quality of the oil. Several types of tung-meal dryers have been installed this year in the mills, and it it expected that a careful study of their efficiency and of the quantity and quality of the oil obtained will yield much useful information.

This year the widely varying moisture content of the tung fruit, which very directly affects its value, has made buying and selling of the fruit quite difficult unless the moisture content is known. It has been found that the moisture can be rather accurately estimated from the resistance of the fruit to the passage of a weak electric current. In this method, the terminals of a small ohmmeter are inserted 1 inch apart and one-half inch deep into the fruit, and a reading of the resistance is taken. The moisture content of the fruit can be estimated from this reading by reference to an appropriate electrical resistance-moisture curve based on experimental results.

The relation between the moisture content and electrical resistance of tung fruit undoubtedly comprises two elements:—(1) The relationship between the moisture content and electrical resistance of the hull; and (2) the relationship between the moisture content of the hull and the moisture content of the fruit. If partly dried tung fruits are exposed to rain, the second relationship is temporarily upset, but after a week the absorbed moisture is redistributed between the component parts of the fruit. Even when the spherical segments of a tung fruit vary widely in moisture content, a good estimate of the moisture content of the fruit can be obtained by taking resistance readings of the wet and the relatively dry segments and then averaging the moisture contents corresponding to these readings.

Since perfect equilibrium of moisture is not always obtained under all storage conditions, there may occasionally be a variation between the estimated and actual moisture contents of a tung fruit. However, in a large number of samples it was found that there was less than 1 percent variation between the estimated and the actual moisture content

Assistance for Mills

Our laboratory has been much interested in assisting the tung oil mills to obtain maximum yields of oil. Since the moisture content of the tung-meal is probably the most important factor in tung oil pressing, as far as oil yields are concerned, the tung oil miller needs a rapid procedure to determine the moisture content of the tungmeal entering the expellers. It was found that the moisture could be completely removed from the tung-meal in ten minutes by drawing air at 130° C. through it. This method is now being used by several tung oil mills to obtain information which should prove useful to the mill operator.

Although studies of dehydration and solvent extraction have been the most important projects in our research program, there are a number of other projects to which considerable time and attention have been given at our Tung Oil Laboratories. These include hulling tung fruit on the farm; the more profitable utilization of tung oil presscake, hulls, and shells; the effect of various factors on the efficiency of the tung oil mill; and (in cooperation with the Bureau of Plant Industry) the effect of cultural conditions on the quantity and quality of the oil in tung fruits. Our Tung Oil Laboratories at Gainesville, Florida, and Bogalusa, Louisiana, are glad to answer requests for information about any phases of these research projects.

Golden Gate Club Gets Defense Projects Reports

The July meeting of the Golden Gate Paint and Varnish Production Club was attended by forty three members and guests. E. W. Wisely talked on the "American Guide Series," which was sponsored by the WPA. Mr. Wisely reported especially on the New Mexico volume of the series. Mr. Frank Morello of the U. S. Army Engineers who was to be the speaker of the evening was unable to be present.

William C. Parle reported the completion of the project on "Phosphorescent and Luminous" paints. Mr. Wisely reported that progress is being made on the project on "Camouflage for Trucks and Automobiles." Ross Cummings reported the completion of the project on "Removable Coating for Airplanes." Mr. Cummings also agreed to start work with his committee on a new project, "The Painting of Steel Wool."

Cleve. Club 50 Years Old

The Cleveland Paint, Varnish and Lacquer Association will celebrate its fiftieth anniversary at an all-day outing and evening party September 12 at the Acacia Country Club. Men prominent in the paint industry throughout the nation were expected to be in attendance.

Paint, Varnish, Lacquer Materials

Defense Industries' Needs Continue to Dominate Paint Market —Scarcity of Products Grows More Acute—Casein Higher —Ester Gum Strong — Turpentine Up Sharply

The needs of defense industries remained the dominant feature in the general market for raw paint materials last week. Because of the emphasis on defense, ordinary industrial consumers continued to encounter difficulty in obtaining supplies of several products. Prominent in this category were titanium pigments, zinc oxides, stearates, glues, certain synthetic resins, driers, and chrome and cadmium colors.

There was no slackening in the movement of lead pigments, although a tightening of the market may be expected in view of a government prediction of a slight shortage of lead by the end of the year. Casein remained scarce and domestic and Argentine products were advanced. Ester gum was very strong.

There was a slight tapering in ordering of natural resins. This was the usual Summer lull. Turpentine advanced sharply. Buying was stimulated by a request from the government for offerings, supposedly for shipment to Britain. Rosin prices also had an upward trend at times.

Metallic Lead and Zinc

OPM officials last week predicted there would be a shortage in pig lead by the end of the year, and men in the trade were anticipating near future priorities action. Meanwhile, demand was at usual levels and price was firm and unchanged. Slab zinc continued very tight, with sales allocated. Price was steady.

Lead.—Prevailing spot prices at New York, St. Louis and London for the period from August 2 to August 8, inclusive, were as follows:—

	Pigs			
	Per pound			Spot. London. Per ton
	New York.	E. St. Louis.		£ s. d.
Saturday	$0.0585@.0590	$0.0570		..* .. ..
Monday	.0585@.0590	.0570		.. .. ..
Tuesday	.0585@.0590	.0570		.. .. ..
Wedn'sd'y.	.0585@.0590	.0570		.. .. ..
Thursday	.0585@.0590	.0570		.. .. ..
Friday	.0585@.0590	.0570		.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from August 2 to August 8, inclusive, were as follows:—

	Slabs			
	Per pound			Spot. London. Per ton
	New York.	E. St. Louis.		£ s. d.
Saturday	$0.0765	$0.0725		..* .. ..
Monday	.0765	.0725		.. .. ..
Tuesday	.0765	.0725		.. .. ..
Wednesday	.0765	.0725		.. .. ..
Thursday	.0765	.0725		.. .. ..
Friday	.0765	.0725		.. .. ..

* London exchange closed.

Price Changes

Advanced

Casein, dom., ½c. per lb.
imp., Argentine, ¾c. per lb.
Rosin, gum, 3c. to 5c. per 100 lbs.
Turpentine, d.d., 8c. per gal.
gum, 10¾c. per gal.
s.d., 11c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.8	129.8	129.8	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Dibutyl Phthalate

An extreme scarcity developed in dibutyl phthalate because of the tremendous demands for defense. It is estimated that about 18,000,000 pounds will be needed for coating smokeless powder alone. Large quantities of phthalic anhydride have been going into the production of dibutyl phthalate. Output is expected to improve later in the year when additional plant facilities for phthalic anhydride will be completed.

Production of dibutyl phthalate in 1940, according to latest Tariff Commission figures, was 8,799,528 pounds and sales were 5,306,098 pounds, compared with output of 7,923,771 pounds and sales of 5,661,733 pounds in 1939.

An export license is required, accompanied by affidavits to destinations other than the British Empire. However, in view of the scarcity here, it is unlikely that any material will be shipped abroad. No export figures are available since no classification is given for this item.

A firming up in the price structure occurred recently. Quotations at the start of the war stood at 18c. per pound in tanks; carlots, 19c., and less car lots, 19½c. per pound. Some sellers now quote 19c. for tanks; 20c. for car lots and 20½c. for less car lots.

Pigments

Antimony White.—Continued good movement. Price firm.

Blue Lead.—Offered freely and in good demand. Shipments large. Price firm.

Flake White. — Fair movement. Price steady and unchanged.

Litharge.—Ordering and inquiries remained at high levels. Quotations were firm and unchanged.

Lithopone. — Producers allocating sales. New business not accepted. Price steady.

Orange Mineral.—Good demand reported. No drastic dwindling of stocks seen. Prices steady.

Red Lead. — Better than normal buying interest continued to prevail. Movement regular. Prices unchanged and firm.

Titanium Pigments. — Obtainable supplies still not sufficient for demand. Many prospective buyers unable to secure needs. Prices steady.

White Lead.—Better than normal movement remained a feature. Prices were steady.

Zinc Oxides.—Market very tight. Offerings curtailed. Sales to regular customers allocated. Prices firm and unchanged.

Fillers and Extenders

Asbestos.—Market remained active, with buying and ordering on contract well ahead of last year. Prices were showing strength.

Asphaltum. — Shipments remained

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

HOOT MON! PARANOL 25

FOR A MON WI' AN EYE TO LOW COST PRODUCTION

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

Our Technical Staff is at Your Service

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

It's not the heat... it's the humidity!

PROTECT YOUR PAINTS AGAINST "SHORTENING" DUE TO EXCESSIVE MOISTURE WITH...

KREBS "TI-CAL" ST-405

Use these Krebs Titanium Pigments
"TI-PURE"
"TI-CAL"
"TI-SIL"
"TI-BAR"

YOUR paints feel the humidity, too! When heavy, humid weather makes them "short" and "choppy" . . . when excessive moisture ruins their length and flow . . . it will pay you to try Krebs "TI-CAL" ST-405.

Both your flats and your gloss paints will be protected from this unwelcome effect. For "TI-CAL" ST-405 has all the properties these paints need—excellent film color, superior gloss, good flat hiding power and good dispersion . . . *plus remarkable insensitivity to water!*

"TI-CAL" ST-405 is not easily affected by a high concentration of moisture in the atmosphere. Consequently, no matter what the weather, paints formulated with it will have excellent flow and length.

For your customers' satisfaction try "TI-CAL" ST-405. We'll be glad to send you a sample! Krebs Pigment & Color Corp., 1007 Orange St., Wilmington, Delaware.

KREBS "TI-CAL"
TITANIUM-CALCIUM PIGMENT

▶ KREBS RESEARCH MEANS PIGMENT PROGRESS ◀

very easy. Buyers ordering in good volume. Offerings normal. Price firm.

Barytes.—Good call reported. Prices steady.

Bentonite.—Satisfactory movement. Price steady.

Blanc Fixe.—Demand at high levels. Shipments heavy. Prices firm.

China Clay.—No changes from previous week. Offerings, demand and prices unchanged.

Diatomaceous Earth. — Large demand for all grades. Prices firm.

Fullers Earth.—Ordering in good volume. Steady movement to consumption. Prices firm and unrevised.

Graphite.—Large demand reported. Movement broad. Prices firm.

Gypsum.—Movement better than normal. Quotations unaltered.

Marble Flour.—Routine call. Shipments regular. Prices steady.

Mica. — Supplies tight. Offerings narrow. Prices unchanged.

Talc. — Domestic grades moving in routine fashion. Imported unavailable.

Whiting.—Steady demand. Market showing signs of tightening. Prices unchanged and firm.

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DALLAS
• LOS ANGELES
• SAN FRANCISCO
• SEATTLE
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 3, BUSH TERMINAL — BROOKLYN, N.Y.

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B. & S. H. Thompson & Co., Regd. Montreal and Toronto
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GUM TURPENTINE
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Importers, Refiners, Manufacturers
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4½ million gal. U.S. Gov't Bonded Tank Storage

Driers

Producers of palmitates and stearates continued to limit sales to regular customers, with buyers only able to obtain their regular needs. Stocks were not dwindling too rapidly, due to the curtailment, but the market was still regarded as tight. Prices were firm and unchanged.

Naval Stores

The naval stores situation was featured last week by a further sharp advance in turpentine. On Wednesday sales were reported in the Savannah market at 55¼c. per gallon, bulk basis, which compared with 49¼c. at the close of the previous week. Rosin quotations also had an upward trend at times, changes generally being moderate. Business in Southern and local markets was stimulated by a request from the Federal Surplus Commodity Corporation for offerings of gum and steam distilled turpentine. This action was taken on Wednesday in a telegram to all members of the naval stores trade, bids to be returned by 2 p. m. Friday, August 8. It was reported that this turpentine was wanted by the government for export to Britain and would represent the first shipment in meeting the recent request for 90,000 drums under the terms of the lease-lend act. The government remained in markets last week as a seller of turpentine and rosin. It was expected that official announcement of an increase of 50 cents per 100 pounds in the loan value on rosin to producers would be made in the near future.

Turpentine.—The price trend here was upward in company with developments in the South. Local business showed an increase.

SAVANNAH, Aug. 8.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	51¼	17,100	67	...	15,666
Tuesday	53	14,500	375	33	16,009
Wednesday	55¼	6,550	183	...	16,191
Thursday	58	10,650	193	...	16,384
Friday	60	4,200	314	391	16,307

* No trading.

JACKSONVILLE, Aug. 6.—Turpentine stock, 9,628 barrels.

PENSACOLA, Aug. 2. — Turpentine stock, 9,054 barrels.

Chicago—Aug. 8

Turpentine values are highest in a long time, on the basis of an extremely active buying movement, and limited offerings. Ruling prices at the close of business last night were:—Five-drum lots, 68c. per gallon; five wood barrels, 73c.; single drums, 71c.; single barrels, 76c.

Rosin.—Business in the local market was still generally along conservative lines, with an increase noted in some quarters in the volume of orders for small or moderate lots.

SAVANNAH, Aug. 8.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$2.34	$2.34	$2.34	$2.34	$2.34
D	...	2.38	2.43	2.43	2.41	2.41
E	...	2.44	2.45	2.45	2.42	2.43
F	...	2.44	2.45	2.45	2.42	2.43
G	...	2.44	2.45	2.45	2.42	2.43
H	...	2.42	2.45	2.45	2.42	2.42
I	...	2.39	2.36	2.41	2.42	2.42
K	...	2.42	2.40	2.42	2.44	2.44
M	...	2.45	2.43	2.46	2.48	2.48
N	...	2.48	2.48	2.48	2.51	1.51
WG	...	2.66	2.70	2.66	2.66	2.67
WW	...	2.91	2.93	2.93	2.92	2.90
X	...	2.91	2.93	2.93	2.92	2.90
	Barrels					
Sales	...	347	789	604	393	367
Receipts	...	489	1,132	488	396	250
Shipments	...	1,067	3,527	1	...	940
Stocks	...	...	...	...	...	122,617

* No trading.

JACKSONVILLE, Aug. 6.—Rosin stock, 300,614 barrels.

PENSACOLA, Aug. 2.—Rosin stock, 26,470 barrels.

Chicago—Aug. 8

The rosin market has been extremely strong, with buyers pressing to get material. Ruling prices at the close of business last night in five-drum lots were:—B grade, $3.64 per 100 pounds net; G grade, $3.75; M grade, $3.76; W.W. grade, $4.23.

Other Naval Stores

Pine Oil.—Output moving steadily into local and other consuming channels. Market firm.

Pitch.—Local trade more active. Spot stocks light.

Rosin Oil.—Price trend upward in company with raw material. Demand increased.

Tar. — Steady contract movement. New business active. Tone firm.

Lacquer Materials

A generally tight situation prevailed in the market for most lacquer materials and solvents last week. Defense needs absorbed large quantities of basic materials, and reflected in scarcities for a number of items. Sellers as a rule allocated available quantities among regular contract consumers. Prices underwent no alteration, and tone was very firm.

Statistics released by the Census Bureau on production of nitro-cellulose show first six months output of sheets were 5,060,691 pounds; rods, 2,022,752 and tubes 701,525 pounds, compared with 4,002,635 pounds of sheets; rods, 1,373,339 and tubes 390,996 pounds in the corresponding period of 1939.

Acetone.—Business allocated as rule among regular consuming trade. Prices unchanged and firm.

Butyl Alcohol. — Shipment proceed steadily against contracts. Prices display firmness.

Cellulose Acetate.—Business moderately active. Prices unchanged. June production sheets, rods and tubes 512,438 pounds, against 633,808 pounds in June, 1939.

Diamyl Phthalate.—Market tight, offerings limited. Prices rule firm.

Ethyl Acetate.—Business confined to regular contracts as rule. Prices remain firm.

Tricresyl Phosphate.—Market position continues tight. Demand heavy. Prices firm.

Shellac

Conditions in the local shellac market changed very little during the past week. A quiet flow of demand had developed of late and it continued to reach the spot in moderate quantity and free from the urgent call that featured consumer activity in the not far distant past. Prices remained steady, reflecting a degree of fair stability in quotations received from the Calcutta market where a distinct pause in advancing quotations had been lately a feature of importance to this market.

Synthetic Resins

Several suppliers marked up ester gum prices 1½c. to 2½c. per pound

RESINS
THE COMPLETE RESIN LINE
S & W Naturals
Accroides — Congo
Batu — Pontianak
Batavia Damars — Manila
Singapore Damars — Loba
Black East Indias — Elemi
Pale East Indias — Kauri
S & W Synthetics
"S & W" ESTER GUM—all types
"AROFENE"*—pure phenolics
"AROCHEM"*—modified types
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* Registered U.S. Patent Office
Years of experience in the Resin field, together with the advantage of closely co-ordinated research and technical data on both the S & W Synthetic and Natural Resins, have enabled us to be of direct service to the trade under the present unusual conditions.
Manufacturers of finishes are taking interest in the complete line of S & W Natural Resins. These are available in many types and grades, with a wide range of properties as to hardness, solubility, color, uses, etc., to supplement Synthetic Resins.
Our technical facilities are at your disposal.
STROOCK & WITTENBERG CORP.
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last week. Sales were reported at 9c. per pound, for car lots delivered to Eastern points. One sale was negotiated at 10c. Producers who maintained a price of 7½c. were restricting sales to regular customer only.

Dry Colors

Alkali Blue Toner.—Large demand. Price steady.

Bone Blacks.—Demand held to high levels. Inquiries more numerous. Prices firm.

Carbon Black.—Movement into consumption remained very heavy. No let-up in inquiries for the future reported. Offerings curtailed slightly. Prices steady and unrevised.

Chrome Colors.—Large demand. Offerings few. Prices steady and unrevised.

Iron Oxides.—Producers continued to allocate sales as stocks dwindled further. Recent large shipments of red iron oxide from Spain tended to relieve the situation somewhat. All prices were steady and unrevised.

Mercuric Oxides. — Demand continued to show gains and to run ahead of last year. Prices were showing strength but were unchanged.

Ochers. — American-made material in heavy demand. Prices steady.

Siennas. — Supplies tight, with demand at high levels. Sales limited. Prices steady.

Vermilion. — Buying interest in quicksilver material well maintained. Price unchanged.

Varnish Gums

There was a bit less activity in the market for natural resins last week. Repeated assurances of importers that supplies were not growing scarce discouraged consumers from stocking heavily. As a result, usual seasonal lull was being felt. All prices were firm and unchanged.

Glues and Binders

Casein. — Domestic material advanced ½c. per pound to 23c. to 24c. for car lots of the 20-30 mesh and 23½c. to 24½c. for the 80-100. Argentine material was marked up ¾c. per pound to 22½c. for the 20-30 and 23c. for the 80-100. Supplies of both imported and domestic very scarce.

Glues.—Demand for hide and bone glues continued heavier than available supply and many prospective buyers were unable to obtain material. Prices were strictly nominal.

Copper, Zinc Defense Advisory Group Named

—Continued from page 3

poration, New York; James F. McClelland, vice-president of the Phelps Dodge Corporation, New York; A. J. McNab, of the Magna Copper Company, New York; Kenneth C. Brownell, vice-president of the American Smelting & Refining Company, New York.

A. E. Petermann, vice-president of the Calumet & Hecla Consolidated Copper Corporation, Calumet, Mich.; Wylie Brown, president of the Phleps Dodge Copper Products Corporation, New York; Marshall L. Havey, vice-president of the New Jersey Zinc Company, New York; Irwin H. Cornell, vice-president of the St. Joseph Lead Company, New York; B. Elkan, president of the International Minerals & Metal Corporation, New York; Howard I. Young, president of the American Zinc, Lead and Smelting Company, St. Louis, Mo.; L. S. Thomas, president of the General Smelting Company, Philadelphia; W. E. Sprackling, vice-president of the Anaconda Wire & Cable Company, New York; George W. Potter, vice-president of the Eagle-Picher Lead Company, Cincinnati, Ohio; H. L. Erlicher, vice-president of the General Electric Company, Schenectady, N. Y.; Ernest V. Gent, of the American Zinc Institute, Washington, and R. R. Eckert, secretary of the United States Copper Associates, New York.

Copper Ceiling Set at 12c. Per Pound

OPD Washington Bureau
August 7, 1941

A dual ceiling on copper prices, freezing prices at 12 cents per pound, but permitting government buying of high production cost copper at higher prices in order not to endanger this production, will be issued late this week, it was announced today by Leon Henderson, Administrator of the Office of Price Administration and Civilian Supply. At the same time, Mr. Henderson said he would issue a schedule setting maximum prices for copper scrap. The bulk of the domestic output, for the past year, has brought 12 cents per pound.

Mr. Henderson is recommending that the Metals Reserve Company, a subsidiary of the Reconstruction Finance Corporation, purchase the relatively small proportion of copper costing more than 12 cents to produce, in order that this additional production shall continue to flow into defense and civilian consuming channels.

100% Priority

Imposition of the ceiling on copper prices, Mr. Henderson explained, is made necessary by the issuance of a general preference order by the Office of Production Management placing copper under 100 percent priority control. The uniform ceiling of 12 cents per pound will prevent the sale of copper allocated under this order to different consumers at different prices. However, contracts between a refiner and purchaser entered into before August 5, 1941, at between 12 and 12½ cents per pound may be completed if the contract is not disturbed by allocations under the general preference order.

Arthur M. Hall of Spencer Kellogg & Sons, Inc., has been appointed to the port and waterways facilities committee of the Buffalo Chamber of Commerce.

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Chrome Yellows
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SOVASOL No. 1 — Excellent General Rubber Solvent. Quick-Drying —Has Balanced Volatility.
SOVASOL No. 2—Fast-Drying Lacquer Diluent and Rubber Cement Solvent. Chemically Stable.
SOVASOL No. 3—Thinner for Lacquer, Lacquer-Enamel and Fast-Drying Varnish. Stable—Non-Corrosive.
SOVASOL No. 4—Varnish-Makers' and Painters' Naphtha for Quick-Drying Paints and Varnishes.
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Resins

Resinous material offering following properties—
- Cherry red color
- Insoluble in water, gasoline
- Melting point 80° to 100°C.
- Soluble in chloroform, benzene, carbon bisulphide
- Sparingly soluble in alcohol
- Specific gravity, 1.16

Rubber

Antioxidant in—
- Black soles
- Tire carcasses
- Tubes
- Uncured tape

Barium Cyanide

(Bariumcyanid, Cyanbarium, Cyanure de Baryum, Cianuro Barico, Cianuro de Bario, Cianuro di Bario)

Chemical

Process material in making—
- Ammonia (U.S. 1123763, 1159989, 1441693, 1453210, and 1501840)
- Catalyst for the manufacture of hydrocyanic acid (U.S. 1352176)
- Sodium cyanamide (U.S. 1160811, and 1318258)
- Sodium cyanide (U.S. 1160811, 1318258, and 1352175)
- Sodium ferrocyanide (U.S. 1318258)

Starting point in making—
- Alkali cyanide (U.S. 1501840)
- Ammonium formate, with the aid of water and carbonic anhydride (Brit. 143850)
- Barium carbonate (U.S. 1352175)
- Barium cyanamide (U.S. 1352176, 1352177, and 1352179)

Electrical

Electrolyte in making—
- Fluorescent screens used as detectors of alpha rays and X-rays

Metallurgical

Suggested for use in—
- Galvanic baths

Bis-(5-methyl-2-ethylbenzoxazole-1)-carbocyanin Iodide

Photographic

Sensitizer (U.S. 2072908) in—
- Photographic emulsions

Bromoterephthalic Acid

Chemical

New chemical available for experimental use

Glycolcellulose Paratoluenesulphonate

Adhesives

Starting point (Brit. 489668) in making—
- Aminoalkyl cellulose compounds used in making—
  - Waterproof adhesive compositions

Bottling

Starting point (Brit. 489668) in making—
- Aminoalkylcellulose compounds used in making—
  - Sizes (solutions in acids) for regenerated cellulose used for capping and sealing purposes (said to improve the anchorage thereto of printing inks and lacquers)

Cellulose Products

Starting point (Brit. 489668) in making—
- Aminoalkylcellulose compounds used in making—
  - Bristles
  - Filaments
  - Films which are clear, tough, and pliable
  - Self-supporting films

Chemical

Starting point (Brit. 489668) in making—
- Aminoalkylcellulose compounds used in making—
  - Addition salts with acids

Furniture

Starting point (Brit. 489668) in making—
- Aminoalkylcellulose compounds used in making—
  - Waterproof adhesives for veneering purposes

Miscellaneous

Starting point (Brit. 489668) in making—
- Aminoalkylcellulose compounds used in making—
  - Coating compositions useful for various purposes

Rubber

Starting point (Brit. 489668) in making—
- Aminoalkylcellulose compounds used in making—
  - Sizes (solutions in acids) for rayon tire cord (used to improve adhesion to the rubber)

Lead Dimethyldithiocarbamate

Rubber

Accelerator in—
- Vulcanizing processes

Monododecyl Succinate

Lubricant

Claimed (Brit. 500222) as—
- Cutting oil base
- High-pressure, thin-film lubricant for incorporation in suitable vehicles (hydrocarbon oils or greases)

Phenylethyl Cinnamate

Cosmetic

Odorant in preparations of various types

Perfume

Odorant in—
- Perfumes
- Toilet waters

Soap

Odorant in—
- Toilet soaps

Polyvinyl Chloride Fiber

(Pe-Ce-Fiber)

(New German synthetic fiber)

Chemical

Claimed to be—
- Absolutely resistant to—
  - Acids
  - Alkalies
  - Aqua regia (concentrated) (unaffected by twenty-four hours' immersion)
  - Many other corrosive chemicals
- Completely immune to—
  - Bacterial attack
- Completely insensitive to—
  - Water

Suggested as new material in making—
- Chemical workers' protective equipment such as—
  - Aprons
  - Caps
  - Clothing
  - Gloves
  - Goggles
  - Hats
  - Masks
  - Smocks
- Filter cloths
- Hose (chemical-resistant)

Electrical

Claimed as—
- Good dielectric

Firefighting

Claimed as—
- New fabric for decorative purposes where there is considerable exposure to fire hazard (theatrical decorative effects, for example)
- New fire-resistant material which, when subjected to high temperatures, becomes a hard mass that is absolutely incombustible

Fishery

Claimed as—
- New water-insensitive material suitable for use in making—
  - Nets, sails, and other gear

Mechanical

Claimed as—
- Good heat insulator

Miscellaneous

Synthetic fiber suggested for use in making—
- Awning fabrics
- Canvas
- Flag fabrics
- Raincoats
- Shower curtains
- Sporting goods
- Tent fabrics
- Umbrella fabrics

Textile

Claimed to equal the best of the natural and synthetic fibers in—
- Fineness
- General appearance
- Strength

Reported to be—
- Elastic as natural silk
- Limited in its use for general textile purposes by the fact that it is thermoplastic and shrinks when heated in temperatures above 80° C.

Reported as having—
- Wet strength as high as dry strength

Propionic Acid Isopropylbutylester

Chemical

Dispersing agent (Germ. 626880) in making—
- Emulsions of various chemicals
- Textile lubricants in emulsified form

Cosmetic

Dispersing agent (Germ. 626880) in making—
- Emulsified cosmetics

Fats, Oils, and Waxes

Claimed (Germ. 626880) as—
- Powerful emulsifier for—
  - Fats
  - Oils
  - Waxes

Dispersing agent (Germ. 626880) in making—
- Emulsified boring oils
- Emulsified drilling oils
- Emulsified fat-splitting preparations
- Emulsified fatty acids of animal or vegetable origin
- Emulsified greasing compositions
- Emulsified greasing and lubricating compositions containing various vegetable and animal fats and oils
- Emulsified preparations of natural or synthetic waxes
- Emulsified sulphonated oils
- Emulsified wire-drawing oils
- Emulsions of animal and vegetable fats and oils

Leather

Dispersing agent (Germ. 626880) in making—
- Emulsified compositions for softening hides
- Emulsified dressing compositions
- Emulsified fat-liquoring baths
- Emulsified finishing compositions
- Emulsified soaking compositions
- Emulsified waterproong compositions

Miscellaneous

Dispersing agent (Germ. 626880) in making—
- Automobile polishes in emulsified form
- Emulsified furniture polishes
- Emulsified greasing compositions
- Waterproofing compositions in emulsified form

Paint, Varnish, and Lacquer

Dispersing agent (Germ. 626880) in making—
- Waterproofing compositions in emulsified form

Paper

Dispersing agent (Germ. 626880) in making—
- Emulsified compositions for sizing paper and pulp articles
- Emulsified compositions for waterproofing paper and pulp compositions and paperboard
- Waxing compositions in emulsified form

Petroleum

Dispersing agent (Germ. 626880) in making—
- Emulsified mineral oils
- Kerosene emulsions
- Naphtha emulsions
- Soluble greases in emulsified form
- Solubilized emulsified oils and distillates
- Various textile oils in emulsified form, such as rayon oils

Soap

Dispersing agent (Germ. 626880) in making—
- Emulsified detergents, containing soaps, used for various purposes
- Emulsified hand-cleansing compositions containing soap
- Emulsified textile soaps

Textile

Finishing

Dispersing agent (Germ. 626880) in making—
- Emulsified coating compositions
- Emulsified sizing compositions
- Emulsified washing compositions
- Emulsified waterproofing compositions
- Emulsified waxing compositions

Manufacturing

Dispersing agent (Germ. 626880) in making—
- Emulsified baths for degumming and boiling-off silk
- Emulsied baths for soaking silks
- Emulsified compositions used for degreasing raw wool
- Oiling emulsions for various textile purposes

Selenium Diethyldithiocarbamate

Rubber

Accelerator in vulcanizing—
- Nontarnishing compounds
- Wire insulation

Vulcanizing agent in making—
- Nontarnishing compounds
- Wire insulation

Trimethyldihydroquinolin, Polymerized

Resins

Resinous material offering following properties—
- Brittleness
- Faint (nonobjectionable) odor
- Insoluble in water and petroleum hydrocarbons
- Melting point, 60° to 90°C.
- Nontoxic
- Reddish-brown color
- Soluble in benzene
- Specific gravity, 1.08.

Rubber

Antioxidant in—
- Air bags
- Belting
- Brake lining
- Inner tubes
- Steam hose
- Tire carcasses
- Wire insulation

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Oil, Fats, and Waxes

High Temperatures Damage Flaxseed Crop—Linseed Oil Advanced by Crushers — Further Rise in Chinawood Oil — Moderate Changes in Cottonseed Oil Futures — Business Quiet

No broadening of business in miscellaneous oils, fats and greases was noticeable last week. Cottonseed oil futures continued to move within narrow limits in the absence of definite action concerning ceiling prices, and consumers of various other oils and fats were still disposed in many cases to hold aloof or purchase merely for urgent needs pending new developments at Washington in the matter of price legislation. On the other hand supplies and offerings of many products were still very light and demand was sufficient to give the market a generally firm tone. The price trend continued upward. Reports concerning the progress of the flaxseed and cotton crops were less favorable, especially as regards the former, which was said to have suffered severe damage recently from extremely high temperatures.

Vegetable Oils

Castor, Dehydrated.—Demand active. Producers operating at capacity. Market firm.

Chinawood.—Price trend continued upward. Tankcars quoted at 32¼c., up ¾c. Inquiry stimulated by Far Eastern developments. Only small or moderate lots available here.

Coconut.—Crude remained firm. Offerings still light. Good inquiry. Refined fairly active. Copra offerings scarce.

Corn.—Offerings light. Quotations mainly nominal. Good inquiry, crude and refined.

Price Changes

Advanced

Chinawood oil, ¾c. per lb.
Copra, 15-100c. per lb.
Japan wax, 5c. per lb.
Lard, 10c. to 25c. per 100 lbs.
Linseed oil, 2-10c. per lb.
Palm oil, spot, ½c. per lb.
Peanut oil, crude, ¼c. per lb.

Reduced

Carnauba wax, No. 3 chalky, 1c. per lb.
No. 3 North Country, 1c. per lb.
refined, 2c. per lb.
No. 2 yellow, 1c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
165.1	163.5	161.8	99.8

Market news that may have developed after this report was sent to press will be found on page 4.

Chinawood Oil

Quotations on chinawood oil were advanced further in the New York market last week, touching the highest level recorded for many years past. The trend has been upward since June, 1940, when the prevailing quotation was 21c. per pound. Last week's advance established the market at 32¼c. per pound in tank cars. At times in the past higher prices have ruled for comparatively short periods. In April, 1923, there were transactions at 40c. per pound. The advance in that year started in January with the market at 14½c. In December, 1930, the market was down to 5¼c. In August last year the price was 25c. while in August 1939, when the war started in Europe, it was 21½c.

Current abnormally high prices are the result of the war in China, the closing of transportation routes in that country and steadily dwindling supplies here. Much of the oil arriving in the New York market in recent months has been consigned to the agency representing the Chinese government, leaving independent importers in a position to secure only small lots abroad. At times in recent weeks the market has been bare of offerings. Importations during the first quarter of 1941 were only 5,049,576 pounds against 32,306,307 pounds in the same time in 1940 and 17,700,441 pounds in 1939. Importations during all of 1939 were 78,717,834 pounds which compared with 107,455,674 pounds in 1938 and 174,884,803 pounds in 1937.

Consumption of chinawood oil in this country during the first half of 1941 was 30,076,000 pounds against 29,929,000 pounds in the same time in the previous year and 51,804,515 pounds in the corresponding period in 1939. Factory and warehouse stocks at the close of June, 1941, were 37,372,000 pounds against 57,204,000 pounds at the same time in 1940 and 40,930,788 pounds in 1939.

Cottonseed.—Edible oil fairly active. Market steady.

Oiticica.—Tone firm. Inquiry good. Offerings light, spot and futures.

Olive.—Increased demand for denatured. Edible oil fairly active, imported and domestic. Ruling tone firm.

Palm.—In light supply and firmer. Nominal spot quotations advanced ½c. Sumatra for distant shipment in bulk nominally quoted at 4½c. to 4⅝c. per pound.

Perilla.—Firm at recent advance. Stocks limited.

Rapeseed.—Tone firm. Inquiry fairly active. Spot stocks light.

Soybean.—Crude demand more active. Market steadier. Resale offerings lighter.

There was no trading in soybean oil futures in the New York Produce Exchange, from August 4 to August 8, inclusive. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
October	...	...	9.55 bid
December	...	...	9.50 bid

Markets at Other Centers

Chicago—Aug. 8.

Inquiries for vegetable oils are mostly for limited amounts.

Coconut.—Refined, edible, 13c to 13½c. per pound, drums, car lots; 13½c. to 14c., drums, less than car lots.

Corn.—Crude, mills, 12c. per pound. Refined, edible oil, 14¼c. to 14½c. per pound, drums, car lots; 14½c to 15c., drums, less than car lots.

Peanut.—Crude, South, 11¼c. to 11½c. per pound.

Soybean.—Crude, Aug.-forward, 9½c. to 9¾c. per pound; new crop, 9½c. to 9¼c.

The market for soybeans on the Chicago Board of Trade was firmer with other commodities. Following is a soybean price record per bushel for the week:—

			—Closing— Aug. 1.	Aug. 8.
Cash, No. 2.	$1.52½	$1.52½	...	...
October	1.46½	1.41	1.46½	$1.39⅞
December	1.47⅝	1.41⅝	1.47⅝	1.40

San Francisco—Aug. 6

Vegetable oils ruled firm. Outside of a few tankcars parceled out by the syndicate, chinawood is not obtainable here. Demand for oiticica oil as a chinawood replacement is getting broader.

Coconut.—Quoted 6¼c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Transactions in copra stalemated over lack of freight space. The 10,000 tons of bottom space set aside a few weeks ago was quickly engaged and once more confusion exists.

Oiticica.—Solid oil 20c. per pound in drums; liquid 21c., f.o.b. San Francisco.

Babassu.—Stocks light. Quoted 9¼c. per pound in tankcars, f.o.b. Pacific Coast mills.

Palm, Crude.—Nominal at 5¾c. to 6c. per pound in tankcars, f.o.b. Pacific Coast ports.

Castor, Crude. — Quoted 10½c. per pound in tankcars, f.o.b. Los Angeles.

Rapeseed.—No Japanese offerings. Argentine oil, denatured and refined, 10¾c. per pound in tankcars, f.o.b. Pacific Coast.

Linseed Oil

Flaxseed price trend upward. Domestic crop news unfavorable. Linseed oil advanced. Meal steady.

Flaxseed—DULUTH, Aug. 8.—Flaxseed market generally firm. Good demand for cash seed. Crop news mainly favorable, but estimates of yield in some sections being scaled down owing to extreme heat.

The week's closing flaxseed price range was as follows:—

	Cash.	Sept.
Saturday	$1.90	$1.92
Monday	1.94½	1.93
Tuesday	1.94¾	1.94⅝
Wednesday	1.98¾	1.96⅝
Thursday	1.96	1.94
Friday	1.91	1.90

Crop movement in bushels follows:—

	—Receipts— 1941.	1940.	—Shipments— 1941.	1940.
This week.	49,135	4,598	12,245	3,112

MINNEAPOLIS, Aug. 8.—Demand for flaxseed is avid and prices hold firm to strong compared with futures. Offerings have been fairly liberal from day to day and currently new flax receipts are better than 50 percent compared with old.

Most of the new flax comes from Iowa, but the movement from some parts of southern and central Minnesota is increasing. Because of the fact that per acre yields were disappointing, southern

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Available in either cake or flake form
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Stocks in All Principal Cities

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Minnesota farmers are bullish and are holding for an advance.

Trade in futures has been moderate and speculative support of the market has been noticeable. Crushers continue to buy on reactions and on a scale down.

Most of the crop reports are bullish. They indicate 5 to 8 bushels per acre. A few indicate 9 to 10 bushels per acre. Last year early news indicated from 8 to 12 bushels per acre. Advices from North Dakota say that the heat wave hit at the wrong time and reduced the yield to 50 percent compared with a year ago.

DISTILLED
FATTY ACIDS
Tallow Fatty Acids
Cocoanut Fatty Acids
Cottonseed Fatty Acids
HYDROGENATED FATTY ACIDS
(Rufat 52)
STEARIC ACID
RED OIL
(Oleic Acid)
WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

The week's closing flaxseed price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$1.93	$1.92½	$1.95½
Monday	2.94½	1.93½	1.96½
Tuesday	1.93¾	1.92¾	1.96
Wednesday	1.97¾	1.96¾	1.99¾
Thursday	1.95	1.94	1.97
Friday	1.91	1.90	1.93¼

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week..	301,000	247,800	46,200	43,400
Since Sept. 1.	12,704,000	4,401,400	2,249,450	2,381,500

WINNIPEG, Aug. 8.—The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.42½	$1.42½	$1.40½
*Monday	....	....	....
Tuesday	1.43	1.41	1.41½
Wednesday	1.43	1.42	1.41½
Thursday	1.45½	1.42¾	1.42⅝
Friday	1.46¼	1.44¼	1.43¾

* Holiday.

BUENOS AIRES, Aug. 8.—Flaxseed, September, 77¼c. per bushel. Exports this week 906,000 bushels, all to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	11,232,000	8,668,000
United Kingdom	940,000	5,837,000
Continent	618,000	11,856,000
Orders	.....	606,000
Others	930,000	680,000
Totals	13,720,000	27,647,000

Visible Supply

	Bushels.
Last week	17,717,000
Previous week	16,535,000
Last year	5,118,000

Linseed Oil.—An upward trend in flaxseed prices was reflected in a firmer tone in the local market for linseed oil, prices being advanced two points by crushers. Withdrawals here on contracts continued liberal and an increase was reported in new business. The strength of flaxseed was attributed to its favorable crop accounts from the Northwest, where extremely high temperatures were said to have caused serious damage to the crop in important sections and to predictions that the August government report would point to a materially smaller yield than was indicated in the July report. Demand for cash seed in Northwestern markets was active.

MINNEAPOLIS, Aug. 8.—Demand for linseed oil is good and because of the news from Washington on commodity price ceilings sales during the past week were heavy. Business approached proportions but failed to make new tops. Heavy sales of round lots were made for shipment up to the end of next February.

Quotations on tankcar lots f.o.b. Minneapolis 10.2c. per pound, cooperage 11.1c. per pound, warehouse lots 11.5c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	5,300,000	2,900,000
Since Sept. 1	190,690,000	146,030,000

SAN FRANCISCO, Aug. 6.—Linseed oil fairly active. Deliveries are very good. Harvesting making good progress. Tankcars, 10c. per pound; drum lots ex mill, 10.9c.; drum lots ex warehouse, 11.3c.

Cake and Meal.—A steady tone prevailed in the local market. Meal fairly active.

MINNEAPOLIS, Aug. 8.—Demand for linseed meal is active and prices continue to show strength. There has been steady absorption of forward output until manufacturers are turning very conservative in selling.

Quotations on carload lots for shipment up to December 31, $33.50@34; January to March 31, $34@$34.50.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	6,680,000	5,120,000
Since Sept. 1	349,731,000	194,160,000

Cottonseed Oil

Refined oil futures irregular, price changes generally moderate. Southern markets firm. Crop news less favorable.

Cottonseed Oil.—Trading in refined oil futures continued on a comparatively small scale last week, local and other operators still being disinclined to add materially to their commitments on either side of the account in the absence of definite action in the matter of price legislation. Quotations moved within moderate limits but at times the trend was upward in company with strengthening developments in the markets for other commodities.

There was further selling of December, supposedly as a hedge against purchases of soybean oil or lard, but pressure from this source was lighter than in the previous week. Trade interests were credited with purchases on soft spots. Commission houses bought to some extent on less favorable crop accounts from parts of the cotton belt where weevil were reported as active and damaging. A belief that the August cotton crop report would make a rather bullish showing also apparently induced some buying.

Crude oil was scarce in Southern markets. Sales were reported in a small way at 10¾c. to 11c. per pound in tankcars. Reports were frequently heard to the effect that supplies of old crop oil have been closely cleaned up. Crushing of new crop seed is not expected to get under way to any important extent until late in September, although picking is in progress and new crop cotton has been received in some cases at an earlier date than last year. Seed prices were $2 to $3 per ton higher. Vegetable oils which compete with cottonseed oil were firm.

Receipts of hogs were moderate. The weight of the hogs received in Chicago during the week ended August 2 averaged 242 pounds against 246 pounds in the previous week. Stocks of lard in Chicago decreased 6,847,409 pounds during July against an increase of 3,993,805 pounds in July last year. Supplies in that market at the close of July were 192,016,062 pounds against 195,904,723 pounds a year ago.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from August 4 to August 8, inclusive, comprised 445 contracts. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.	
January	11.89	11.51	11.80	sale
March	11.87	11.75	11.83@11.85	
September	12.15	11.80	12.03@12.15	
October	11.88	11.55	11.84	sale
December	11.85	11.50	11.80	sale

Crude, Southeast, .10¾c. Nom.

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
New York, N. Y.
SPOT FUTURE

TO OBTAIN . . .

The highest grade alkyd resins, use Woburn Fatty Acids (Linseed, Soybean, Cocoanut, Cottonseed, etc,). They are more highly refined, purer, are uniform and are shipped in suitable containers to prevent contamination.

To obtain a superb alkyd, colorless and color retentive to an unusual degree, use Woburn Isoline Fatty Acid. No other material produces an alkyd of equivalent color retention and durability.

For a drying oil of superior quality, use Woburn Dehydrated Castor Oil — ISOLINE — (U.S. Patent 1,892,258). White protective coatings made with ISOLINE are lighter and do not "after yellow".

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For high quality soaps, use Woburn Fatty Acids. Consult our Technical Department for advice on the proper Fatty Acid to be used in making your Special Soaps. The use of Fatty Acids reduces the cost of making soaps.

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PITTSBURGH — J. C. Ackerman
ST. LOUIS — Nolte Brokerage Co.
TORONTO — Harrisons & Crosfield (Canada) Ltd.
WASHINGTON, D. C. — Manufacturers Service Bureau
LOS ANGELES — PORTLAND, ORE. — SEATTLE — SAN FRANCISCO — Martin, Hoyt & Milne, Inc.

Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

CHICAGO, Aug. 8.—Cottonseed oil quiet. Refined, edible oil, 13¾c. to 14c. per pound, drums, car lots; 14¼c. to 14½c. drums, less car lots.

Cake and Meal.—Southern markets were generally reported as firm, with offerings light and the meal inquiry fairly active.

Markets at Other Centers

Atlanta—Aug. 6

Cottonseed products quiet. Meal, 8 percent, $34.50 per ton. Prime crude oil, 11c. per pound. Quotations are for September shipment. Cotton picking in progress in lower belt. Yields poor to fair. Weevils reported taking the top crop.

Memphis—Aug. 7

Crude cottonseed oil firm. Last sales at 10¾c. Stock exhausted. Meal, 41 percent, $33 per ton, Memphis basis. Bulk cake, $29.50 per ton, Valley basis. Bulk hulls $5.50 per ton; sacked $8.50. Cotton crop making fair progress. First bales received yesterday by Memphis exchange, one from Mississippi and one from Eastern Arkansas, two to three weeks earlier than first bales last year. Mills do not expect to start on new crop seed before early September. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

September	$32.00@32.50	$33.50@—
October	32.15@32.40	33.75@—
December	32.25@32.65	33.80@—
January	32.50@—	33.75@34.00

Closing soybean meal futures:—

October	$28.25@28.65	$30.20@30.50
December	28.25@—	30.20@30.45
January	28.00@28.30	30.20@30.50

Fatty Acids

Capric Acid.—Steady demand from makers of chemical compounds. Tone firm.

Castor Oil.—Strength of basic material gave fatty acid market a firm tone. Demand good.

Cottonseed Oil.—Steady contract movement. New business quieter. Quotations maintained.

Lauric Acid.—Increased demand for moderate lots. Market steady.

Palm Oil.—Raw material in light supply and stronger. Fatty acids fairly active and firm.

Red Oil.—Increased movement to makers of textile compounds and other consumers.

Stearic Acid.—Output moving steadily to local and other buyers. Raw material more active.

Chicago—Aug. 8

Continued good demand for fatty acids. Prices firm. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; 14½c. to 15c., drums, car lots; 15c. to 15½c., drums, less car lots; coconut oil, acidulated, 15c. to 15½c. per pound, tankcar; 15½c. to 16c., drums, car lots; 16c. to 16½c., drums, less car lots; cottonseed oil, double distilled, 13c. to 13½c. per pound, tankcar; 13½c. to 14c., drums, car lots; 14c. to 14½c., drums, less car lots; settled cottonseed soap stock, 60-62 percent basis, 3¼c. to 3⅜c.; boiled down soap stock, 65 percent basis, 4¼c. to 4⅜c.; cottonseed foots, 50 percent basis, 3¼c. to 3⅜c.

Fish Oils

Menhaden.—Refined firm in company with crude. Trade more active.

Sardine.—Local quotations maintained. Increased request for moderate lots.

Sperm.—Quotations stationary. Demand fairly active.

Whale.—Refined oil buying generally conservative. Tone remained firm.

Markets at Other Centers

Baltimore, Aug. 6.

Crude menhaden oil sold at 55c. per gallon. Fishing good in Chespeake waters and further North along the Atlantic.

San Francisco—Aug. 6

Several transactions in Oregon-Washington pilchard oil at 57c. and 57½c. per gallon in tankcars. A California producer has put out a quotation on crude California sardine oil at 57½c.; too early to learn whether this was taken up.

Previous trading levels of both the northern, as well as the California oil had touched 60 cents, where comparatively large supplies were sold. Buyers have been a little reluctant of late to engage further quantities at the 60-cent figure.

California's season opened on the first of the month and the boats put out of San Francisco Bay on schedule, the first time in many years that actual advantage was taken of the opening day. Running smack into a full moon, however, fishing has been exceedingly light, with not much more than 2,000 tons of raw sardines turned in so far.

Fats and Greases

Grease.—Trade fairly active. Stocks generally light. Market firm.

CHICAGO, Aug. 8. — Choice white grease, 7¾c. to 8c. per pound; yellow, 7½c. to 7¾c.

Lard.—Local trade more active. Price changes moderate.

CHICAGO, Aug 8.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Aug. 8.	Closing Aug. 1.
Cash	$10.25	$10.15	$10.20	$10.05
October	10.45	10.25	10.32	10.10
December	10.67	10.45	10.52	10.30

Stearin.—Local quotations maintained. Moderate lots fairly active.

CHICAGO, Aug. 8.—Prime oleo stearin, 9½c. to 10c. per pound.

Tallow.—Fair movement of moderate lots. Prevailing tone firm.

CHICAGO, Aug. 8.—Inedible tallow, prime, 8c. to 8¼c. per pound; special, 7¼c. to 7½c.

Animal Oils

Lard.—Tone continued firm. Domestic trade somewhat better.

CHICAGO, Aug. 8.—No. 1 lard oil, 11¾c. to 12c. per pound.

Neatsfoot.—Inquiry more active. Supplies generally small. Market firm.

Oleo.—Local quotations maintained. Spot stocks reported light. Inquiry more active.

CHICAGO, Aug. 8.—Extra oleo oil, 11¼c. to 11½c. per pound.

Tallow.—Business routine. Market firm.

CHICAGO, Aug. 8.—Acidless tallow oil, 11¼c. to 11¾c. per pound.

Waxes

Bees.—Crude high, scarce, and strong. No firm prices. White bleached wax prices strongly maintained. Tendency upward. Some with refined yellow. Excellent demand.

Candelilla.—Holding strong at last advanced to 26c. per pound. Demand excellent. High cost of carnauba stimulates consumer interest.

Carnauba.—Slight easing of spot prices. Ton lots, No. 3 chalky, 76c. per pound; No. 3 North Country, 78c.; refined, 84c.; No. 1 yellow, unchanged at 86c.; No. 2 yellow, 84c. Prices prevail in 1c. upward range over the above minimum figures. Demand good. Profit taking noted in some quarters. Principal dealers report buying spots at below Brazillian prices.

Japan.—Prices upped to 30c. to 32c. per pound. Unsold stocks very small. No June shipments made from Japan. Substitutes being pushed. One with melting point identical with that of Japan wax quoted at 18c. per pound.

Filtered Rosin Plans Jacksonville Distillation Unit

Filtered Rosin Products, Inc., in which the Consolidated Naval Stores Company, Jacksonville, Fla., has purchased an interest, plan the construction of a $100,000 distillation plant in Jacksonville. Filtered Rosin Products, with plant in Brunswick, Baxley, Douglas and Valdosta, Ga. The plant, which will be built on a twenty-acre site, will have a production capacity of 20,000 units and is expected to be completed in the Fall. W. B. Gillican is chairman of the board of the company, and M. L. Rue, president.

Walter B. Hawke, manager of by-products department for Spencer Kellogg & Sons, has been appointed to the foreign trade committee of the Buffalo Chamber of Commerce.

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—o—
Beeswax
Carnauba Wax
Ceresine Wax
Ozokerite Wax
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Oils and Fats Statistics: Second Quarter

Production of vegetable, animal and fish oils during the quarter ended June 30, 1941, compared with the same period a year ago, as compiled by the Bureau of Census, follows:—

Vegetable Oils

Pounds

	Production 1941.	Production 1940.	Consumption 1941.	Consumption 1940.	Stocks June 30.
Babassu, crude	12,475,000	18,785,000	16,084,000	17,917,000	5,396,000
Babassu, refined	6,378,000	6,867,000	5,092,000	6,051,000	9,777,000
Castor	34,965,000	24,811,000	21,820,000	12,895,000	15,383,000
Chinawood	(2)	(2)	15,831,000	15,135,000	37,372,000
Cottonseed, crude	210,932,000	117,408,000	325,732,000	242,425,000	52,541,000
Cottonseed, refined	304,938,000	227,907,000	402,720,000	292,308,000	369,589,000
Coconut, crude	81,054,000	87,781,000	184,118,000	151,758,000	176,381,000
Coconut, refined	90,962,000	74,379,000	68,904,000	58,498,000	15,064,000
Corn, crude	50,246,000	41,110,000	46,785,000	41,790,000	15,610,000
Corn, refined	41,920,000	38,193,000	15,059,000	19,874,000	9,164,000
Linseed	183,309,000	128,383,000	143,100,000	99,295,000	150,936,000
Olive, edible	.....[1]	.....	911,000	1,822,000	7,777,000
Olive, inedible	.....	.....	835,000	1,735,000	1,546,000
Palm, crude	.....	.....	73,141,000	35,562,000	115,134,000
Palm, refined	22,759,000	6,919,000	25,995,000	8,624,000	3,426,000
Palm kernel, crude	(2)	(2)	3,201,000	2,249,000	4,114,000
Palm kernel, refined	2,813,000	1,950,000	2,764,000	1,673,000	1,687,000
Peanut, virgin and crude	[1]39,768,000	11,544,000	40,074,000	11,731,000	14,650,000
Peanut, refined	38,101,000	10,912,000	38,901,000	7,017,000	39,943,000
Perilla	.....	.....	1,965,000	4,841,000	8,889,000
Rapeseed	.....	.....	2,933,000	2,464,000	8,133,000
Sesame	.....	.....	427,000	275,000	638,000
Soybean, crude	141,584,000	120,623,000	144,709,000	115,267,000	34,009,000
Soybean, refined	126,301,000	99,559,000	104,210,000	88,792,000	[8]40,589,000
Sulphur oil or olive foots	.....	.....	2,846,000	4,182,000	14,816,000
All other	7,363,000	5,435,000	6,258,000	5,894,000	12,523,000
Fish Oils					
Cod and codliver	160,000	192,000	7,417,000	3,663,000	14,412,000
Marine animal oils	87,000	35,000	5,284,000	7,239,000	39,002,000
Other fish oils	[4]6,024,000	[4]6,873,000	41,853,000	36,482,000	70,247,000
Animal Fats					
Lard, neutral	380,200,000	405,885,000	4,359,000	8,536,000	372,176,000
Neatsfoot oil	1,007,000	1,015,000	1,845,000	1,382,000	1,546,000
Rendered pork fat	38,362,000	[5]	14,573,000	[5]	11,930,000
Tallow, edible	22,191,000	19,854,000	13,248,000	10,840,000	9,485,000
Tallow, inedible	202,264,000	183,150,000	302,985,000	210,818,000	289,338,000
Greases					
Bone	8,086,000	6,783,000	194,000	209,000	1,122,000
Brown	24,034,000	19,328,000	14,425,000	12,469,000	13,172,000
Tankage	12,470,000	11,831,000	1,800,000	1,094,000	3,169,000
Garbage and others	7,894,000	16,054,000	8,749,000	11,991,000	8,548,000
House	10,503,000	[6]	4,909,000	[6]	3,264,000
White	30,238,000	26,369,000	39,885,000	27,573,000	26,385,000
Wool	3,625,000	1,484,000	2,654,000	1,536,000	6,916,000
Yellow	31,138,000	28,105,000	53,539,000	35,116,000	53,876,000
Other Products					
Cottonseed foots, 50% basis	30,014,000	23,617,000	32,372,000	25,816,000	20,193,000
Cottonseed foots, distilled	10,118,000	7,996,000	6,862,000	6,053,000	3,312,000
Fatty acids	42,604,000	28,339,000	27,603,000	23,711,000	10,745,000
Fatty acids, distilled	13,273,000	9,771,000	5,257,000	4,037,000	6,591,000
Glycerin, crude, 80% basis	66,403,000	50,702,000	60,038,000	50,032,000	23,267,000
Glycerin, dynamite	25,881,000	16,300,000	14,796,000	9,898,000	27,292,000
Glycerin, chemically pure	27,334,000	23,999,000	10,240,000	7,245,000	24,144,000
Hydrogenated oils	244,910,000	186,633,000	245,172,000	182,956,000	26,440,000
Lard oil	14,779,000	6,429,000	5,762,000	3,164,000	4,523,000
Oleo oil	24,540,000	18,155,000	4,576,000	3,585,000	8,274,000
Red oil	19,489,000	11,581,000	11,998,000	7,362,000	[7]7,370,000
Shortening	410,382,000	287,997,000	847,000	565,000	45,967,000
Soap stock, acidulated	14,580,000	10,275,000	17,571,000	12,634,000	24,697,000
Soap stock, miscellaneous	634,000	836,000	782,000	393,000	579,000
Stearic acid	13,589,000	9,874,000	4,841,000	3,674,000	[8]5,297,000
Stearin, vegetable	24,506,000	18,023,000	24,070,000	17,106,000	6,092,000
Stearin, animal, edible	11,461,000	9,045,000	7,802,000	6,728,000	5,509,000
Stearin, animal, inedible	10,182,000	4,827,000	4,742,000	2,545,000	5,937,000
Tallow oil	2,671,000	1,941,000	1,724,000	1,245,000	1,772,000
Other vegetable oil foots, 50% basis	30,036,000	21,487,000	20,466,000	14,756,000	4,834,000
Other vegetable oil foots, distilled	542,000	404,000	.....	224,000	109,000

Raw Materials Used in Manufacture of Oils

Tons

	Consumed, June quarter 1941.	Consumed, June quarter 1940.	Stocks, June 30 1941.	Stocks, June 30 1940.
Babassu nuts	9,678,000	14,550,000	987,000	1,022,000
Castor beans	38,414,000	27,736,000	34,009,000	7,025,000
Copra	64,550,050	70,217,000	28,109,000	46,933,000
Corn germs	74,845,000	70,150,000	588,000	185,000
Cottonseed	610,844,000	332,290,000	190,046,000	63,267,000
Flaxseed	262,809,000	185,825,000	98,017,000	88,146,000
Soybeans	476,197,000	383,466,000	254,428,000	231,635,000

[1] Agricultural Marketing Service collected the data from peanut oil producers.

[2] Included in "All other" vegetable oils.

[3] Fish and Wildlife Service collected the data from fish oil producers and includes consumption of certain vegetable oils by fish canners.

[4] Includes 2,681,000 pounds of herring and sardine, and 1,636,000 pounds of menhaden for 1941; and corresponding figures for 1940 of 100,000 and 5,356,000.

[5] Included in lard for 1940.

[6] Included in garbage for 1940.

[7] Includes 2,727,000 and 5,562,000 pounds in hands of producers 1941 and 1940, respectively.

[8] Includes 982,000 and 2,217,000 pounds in hands of producers 1941 and 1940, respectively.

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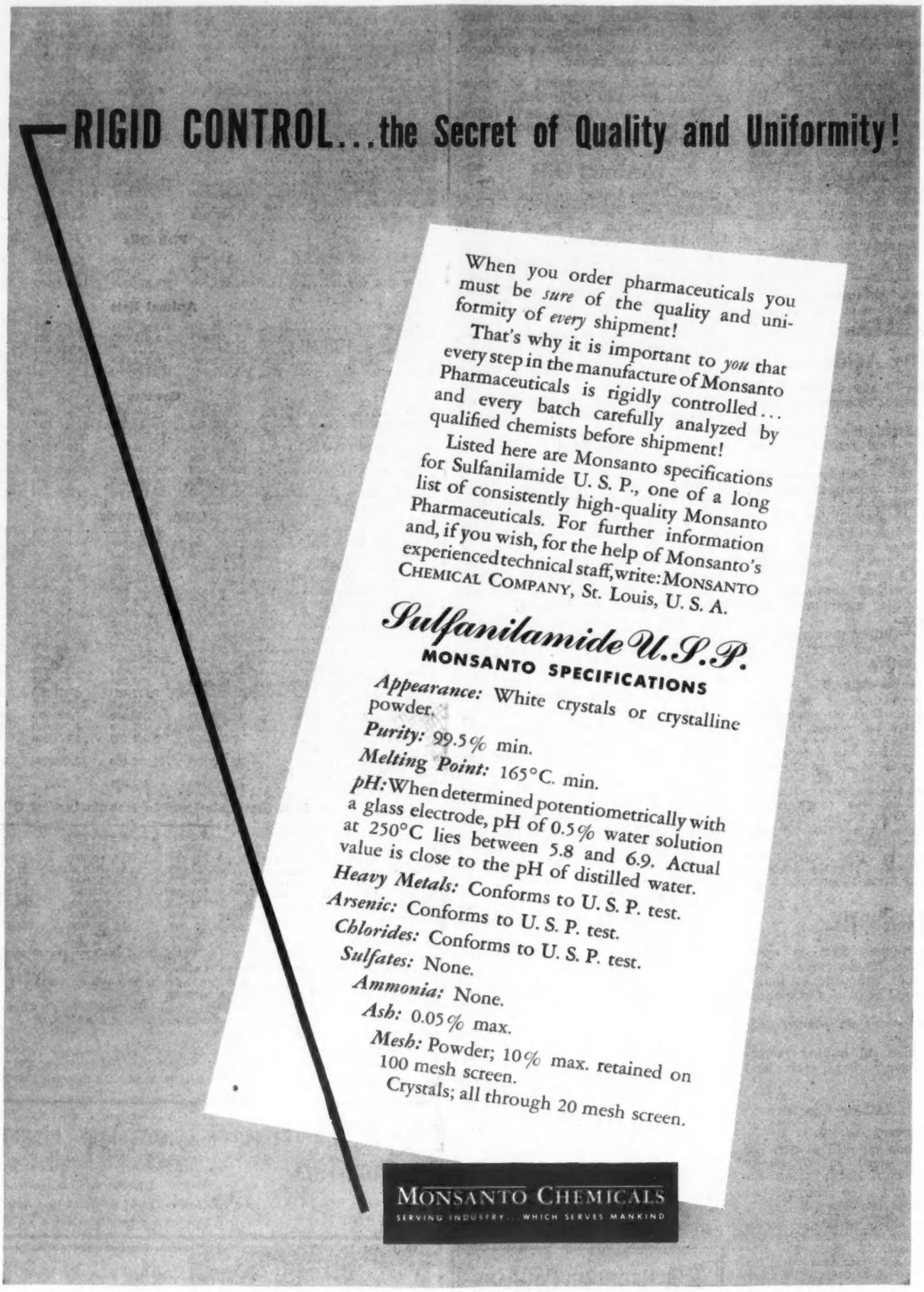
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Drugs, Fine Chemicals

One Thousand Flasks of Quicksilver Arrive From Lisbon—Owner Unrevealed—Menthol Climbs Further as Imports Stop — Resale Formaldehyde Stiffens

Arrival of 1,000 flasks of quicksilver from Lisbon, Portugal, was an event that caught the interest of every local factor identified either with the sale or purchase of mercury. Every effort to identify the owner failed up to a late hour in the week notwithstanding the work of between eight and ten investigators.

Glycerin continued in strong position due to the high price views of those holding crude. Iodine and iodides showed firmness and stability. Bromine and bromides were clearly developing strength and a price change would not surprise. Fish liver oils were strong on the Pacific Coast because of the stoppage of shipments of Japanese frozen livers. They were strong on spot, as also was codliver oil.

Menthol was front stage in the market performances of the week, rising further as the impact of stoppage of further imports from Japan maintained its effect. Domestic makers of synthetic menthol continued to abstain from quoting a market. Expansion of domestic production was doubtful since the raw material situation is against the manufacturers.

Cocoa butter was up a fraction. Castor beans were bought at a shade under recent quotations from Brazil but the purchase failed to establish a lower price permanently. Cream of tartar, Rochelle salt, tartaric acid, and citric acids continued to command price premiums in the resale market. Formaldehyde at resale tightened up some after selling off in the previous period.

Acid, Boric.—Production gains some. Normal deliveries still not available. Market firm to strong.

Acid, Citric.—Strong, active market. First hands have all the business they can handle. Resellers hold little material.

Acid, Fumaric. — Firm to stronger prices. Demand excellent.

Acid, Gallic. — Very firm. N.F. article prices fully maintained. Demand active.

Menthol

Menthol from Japan, menthol from China, and synthetic menthol from United States factories —all churning in a mad, whirling spiral of rising prices and caught in the explosive action of international forces.

Prices began to spin and climb when a Presidential order froze Japanese credits and stopped not only further exports from Japan and China, but caused some forty Japanese ships, some carrying menthol, to turn about at sea and return to Japan. Further to complicate the matter, transportation of citronella oil from Java, Netherlands Indies is painfully uncertain and the prices paid by the synthetic menthol makers have risen more than 100 percent.

Spot prices on natural menthol has moved to $7 per pound, nominal, and quoted without offer. Early in July the market was $4.25, and before the war the spot market was $2.85 on August 25, 1939. All quotations on synthetic material were withdrawn. The last quote was $4.25. Capture of the Netherlands Indies by Japan would jeopardize production of the synthetic item.

Imports totaled 144,753 pounds in the first third of 1941, comparing with 106,603 pounds in the first third of 1939, according to Department of Commerce data. The total importation in 1939 was 406,581 pounds, consisting of 354,668 pounds of natural material coming from Japan (83,760 pounds) and Japan (270,908 pounds). Imports of synthetic totaled 51,913 pounds, coming from France, Germany, the United Kingdom, the Netherlands and Switzerland, of importance in the order named. No figures on domestic production are available.

Price Changes

Advanced

Agar, 25c. per lb.
Cocoa butter, ¼c. per lb.
Menthol, 25c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
221.6	220.8	212.5	203.2

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Mandelic.—Good call. Firm undertones. No surplus supply.

Acid, Salicylic. — Definitely strong. Production subject to uncertain raw material supplies. Stocks limited.

Acid, Tartaric. — Strong prices. Limited stocks. High demand. Resellers quoting 74c. to 75c. per pound. Makers, 63½c. to 64c.

Agar. — Nominally $2 per pound. Shipments from Japan stopped. Goods afloat on way back to primary market. Rising interest in substitutible seaweeds.

Aloin.—Very firm. Production moderate. Costs running high. Demand good.

Amyl Acetate.—Stocks limited in reserve. Production well engaged. Strong prices.

Antipyrene.—Holding firm to strong position. No surplus supply. Raw material subject to many calls.

Bismuth Metal and Salts.—Excellent volume of request. Metal consumed as produced. No accumulation raw material. Salts prices seem steady.

Borax. — Production up some as struck plant makes deliveries. Situation strong. Consumption need runs high. Priority still in effect.

Cadmium. — Industrial consumption running increasingly greater. Every pound produced earmarked to meet standing obligations. Anything at resale would bring stiff price premium. Little available.

Caffein. — Strong market. Demand persistent. Limited resale stocks around $8 to $9 per pound. Producers' capacity fully engaged. Raw material situation grave.

Camphor.—Higher. Slabs and powder nominal, around $1.15 per pound. Tablets, $1.20. All importations stopped. Reserve stocks small. Domestic production synthetic gains greatly in importance.

Castor Oil.—Prices firm. Deliveries reach high total. Needs of buyers

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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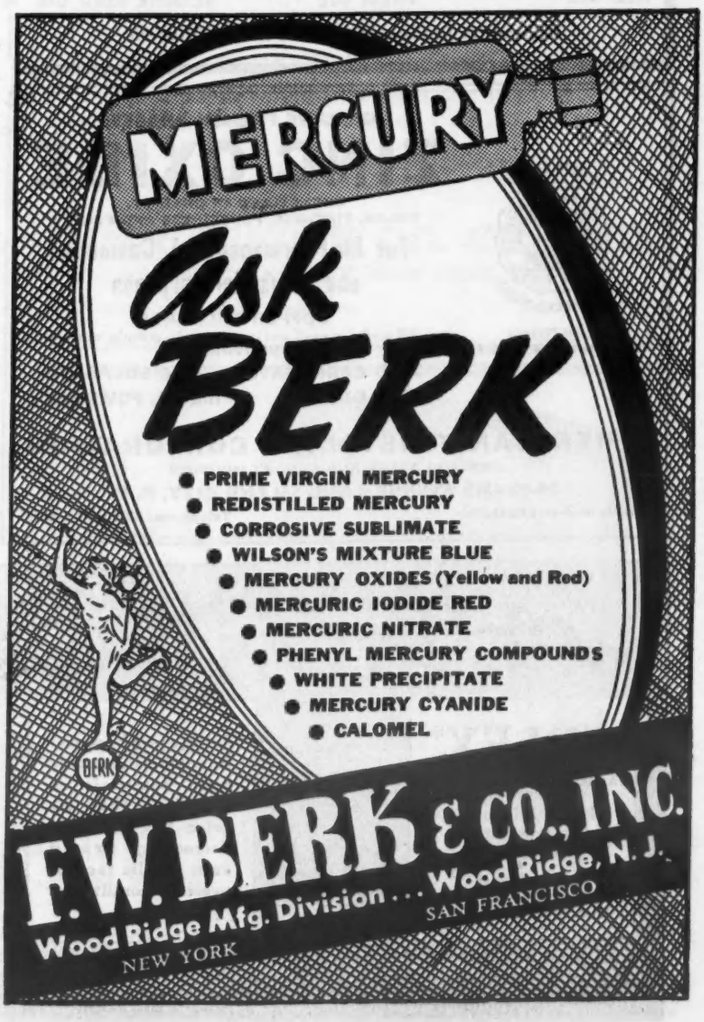

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great. Last trading in beans at $68.50 per long ton. Present market considered to be $69.

CHICAGO, August 6.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 12¼c. per pound; drums, less than car lots, 13c.; tanks, 11¾c.; No. 3 extracted, returnable drums, car lots, 11⅝c.; drums, less than car lots, 12¾c.; tanks, 11⅛c.

Cocoa Butter.—Fractionally higher at 23c. per pound, car lots. Little activity.

Codliver Oil.—Fair stocks believed in reserve. Far less than normal. Current demand moderate. Market strong. No price concessions.

Cream of Tartar.—Active demand. Producers offer very conservatively. Resellers ask 57c. to 58c. per pound at which 35 to 40 barrels were offered. Compares with producers at 52½c. to 53½c.

Fish Liver Oils.—Demand active. Supplies small. Stoppage of imports from Japan creates a crisis in supplies derived from Japanese frozen livers.

SAN FRANCISCO, Aug. 6.—Pattern of this market very spotty, owing to lack of supplies. Buying interest strong. Apparently no set quotations in the trade today nor for past two weeks. Trading basis is largely determined by what the buyer can afford to pay. Shutting off of Japanese fish livers is causing much concern and confusion.

Prices are purely nominal ones and are perhaps on the low side:—

Soupfin Shark Liver Oil, Crude.—High potencies, 100,000 to 150,000 U.S.P. units vitamin A per gram quoted at 12-13c. per million units; 70,000 to 90,000 units, 10-11c.; 50,000 units, 8c.; 25,000 to 40,000 units, 7½c.; lower potency, upwards of 10,000 units, 7c.

Tuna Liver Oil, Crude.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 60c. per million units.

Formaldehyde.—Resale lots around 31c. per pound disappeared. Current resellers naming around 37c. to 39c. per pound with less available. Very strong producers' market with place waiting for every pound turned out.

Glycerin.—Strong undertone continued to sweep market. Crude strongly held in few hands who expect demand to rise. Refiners hold prices unchanged but find little crude available at justifiable price.

CHICAGO, August 6.—Glycerin price, C.P., tanks, 14¼c. per pound; drums, car lots, 14½c.; less car lots, 15c.; cans, less car lots, 16½c. to 17c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; less car lots, 14½c.

Iodine and Iodides.—Firm and apparently stable raw material market. Reserves in store against future needs believed substantial. No shortage in Chile. Iodides moving in good volume at well held prices.

Magnesia.—Active needs fairly well supplied. Producers hold stable prices.

Menthol.—Market up to $7 to $7.50 per pound. No excited demand to get goods. Substantial number of ships with menthol in cargo reported turned about at sea bound home to Japan. Financial injustice relieved by Federal government decision. Synthetic menthol makers still make no price. Raw material situation entirely against them.

Methanol. — A purchase of natural methanol reported at 80c. per gallon. Very strong market. Buyers for most available production.

Methyl Acetone.—No easing of situation. High demand exceeds supplies of some suppliers.

Quicksilver.—Spot, $190 to $192 per flask. Believed some might be had at $188. Feature of week was arrival of 1,000 flasks from Lisbon. Diligent and exhaustive investigation locally failed to turn up the owner. First lot to reach here in months.

SAN FRANCISCO, Aug. 6.—Considerable buying interest present in the market. Conditions firm. Spot stocks scarce as ever. Sales calling for deliveries through September, October and November reported at $189 to $190 per flask. Spot market is named at $190.

Quinine. — Far Eastern situation would make quinine market tense were it not for fact that Government has provided a large reserve stock of bark against all contingencies. All sellers highly reserved.

Saccharin.—Resale demand growing. Producers reserved. Little available save for regular customers.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅝	*
Monday	24	34⅝	*
Tuesday	24	34⅝	23⅛
Wednesday	24	34⅝	23⅛
Thursday	24	34⅝	23⅛
Friday	24	34⅝	23⅛

* Holidays.

Chain Drug Store Sales Show Gain in June

Chain drug store sales recorded about the usual seasonal change from May to June and the department's seasonally corrected index for June remained at the extremely high level of 116, according to a statement of the Department of Commerce based on reports of 2048 stores in the trade. Considerable expansion in the trade has been experienced in recent months and the index has moved steadily upward since the beginning of the year. The figure of 116 established in May and maintained in June was the highest on record. As compared with a year earlier June, 1941, sales were up about 11 percent while total sales for the first six months of the year were approximately 10 percent larger than for the corresponding period of 1940.

Bird, Schulz Join Vitamin Plus Staff

Dr. John C. Bird, formerly director of applied research and specialty development for Hoffmann-LaRoche, Inc., has been named vice-president of Vitamin Plus, Inc., and technical director of both that company and the vitamin products division of the Vick Chemical Company. Arthur F. Schulz, formerly assistant merchandise manager and salesmanager of home necessities for E. R. Squibb & Sons, has been named salesmanager for Vitamin Plus.

Anchor Hocking Now Producing At New Connellsville Unit

Anchor Hocking Glass Corporation has transferred from Long Island City the production of metal and molded caps and sealing equipment to its Connellsville, Pa., plant. The new plant is a one-story, fireproof factory, and permits an immediate expansion of production facilities, which necessitated the move.

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A practical way to reduce many of your present costs . . .
Many manufacturers of pharmaceutical products—powders, liniments, cosmetics, ointments, etc.—have reduced their rising manufacturing, packing, shipping and advertising costs by using our complete and up-to-date facilities. No confidence is ever broken in our organization—your formula is absolutely safe with us. An inquiry puts you under no obligation.
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VITAMIN PRODUCTS
FISH LIVER OILS
THE ATLANTIC COAST FISHERIES COMPANY
111 JOHN STREET, NEW YORK, N. Y.

U.S.P. Additions and Deletions Proposed

—*Continued from page 5*

Chlorazodine (azochloramide)
Chlorazodine solution
Citrated human plasma
Codeine phosphate tablets
Codeine sulphate tablets
Colchicine tablets
Cudbear
Desoxycortone acetate (desoxycorticosterone acetate)
Dextrose injection
Dextrose and sodium chloride injection
Digitalis capsules
Digitalis injection
Digitalis tablets
Dihydromorphinone hydrochloride (dilaudid)
Dihydromorphinone hydrochloride tablets
Diphenylhydantoin, soluble (dilantin sodium)
Diphenylhydantoin, solubile, capsules
Emetine hydrochloride injection
Ephedrine sulphate tablets
Epinephrine hydrochloride injection
Epinephrine hydrochloride, strong solution (1:100)
Ergonovine maleate
Ergonvine maleate tablets
Ergonovine maleate injection
Ergotamine tartrate
Ergotomine tartrate tablets
Estradiol benzoate
Estrone
Estrone injection (in oil)
Estrone tablets
Ethyl aminobenzoate ointment
Ethyl carbamate
Eucatropine hydrochloride (euphthalmine hydrochloride)
Gauze, absorbent
Gauze, absorbent, sterile
Gauze, adhesive absorbent
Gauze bandage
Globulin, human immune
Glycyrrhiza syrup
Halbiut liver oil
Halibut liver oil capsules
Hexylresorcinol
Homatropine lamels
Human serum
Injections (general chapter)
Insulin injection
Insulin, crystalline zinc injection
Insulin, protamine zinc, injection
Iron and ammonium citrate capsules
Iron (ferrous) sulphate, exsiccated
Ferrous sulphate tablets
Lamels (eye discs)
Tribasic magnesium phophate tablets
Magnesium trisilicate
Magnesium trisilicate tablets
Menadione (vitamin K activity)
Menadione tablets
Mercurin (pharmaceutic necessity)
Mercurphylline (mercupurin solution)
Mercury salicylate injection
Mersalyl (salyrgan)
Mersalyl with theophylline injection
Metarsen (mapharsen)
Methenamine tablets
Morphine sulphate tablets
Neocinchophen tablets
Neostigmine bromide (prostigmine bromide)
Neostigmine bromide tablets
Neostigmine methyl sulphate (prostigmine methylsulphate)
Neostigmine methylsulphate injection
Nicotinamide
Nicotinamide tablets
Ointment (absorption-base type)
Ointment, yellow (simple ointment with yellow wax)
Oleovitamin A capsules
Oleovitamin A and D capsules
Concentrated oleovitamin A and D capsules
Ox bile extract tablets
Ouabain
Ouabain injection
Soluble pentobarbital tablets
Pentothal sodium
Phenobarbital elixir
Phenobarbital tablets
Soluble phenobarbital tablets
Phenolsulphonphthalein injection
Physiological solution of chlorides (Ringer's solution)
Physostigmine lamels
Picrotoxin
Picrotoxin injection
Potassium chloride
Potassium chloride tablets
Progesterone
Progesterone injection
Quinacrine (atabrine)
Quinacrine tablets
Quinidine sulphate tablets
Quinine hydrochloride
Quinine hydrochloride and ethyl carbamate injection
Quinine sulphate tablets
Radium
Riboflavine
Riboflavine tablets
Rice polishings (tikitiki)
Rice polishings extract
Saccharin, soluble, tablets
Serum, human scarlet fever, immune
Serum, human measles, immune
Soda-lime
Sodium citrate solution, sterile
Sodium nitrite tablets
Sodium salicylate tablets
Sodium sulphite
Strophanthin injection
Strychnine sulphate tablets
Sulphanilamide tablets
Sulpharsphenamine
Sulphapyridine
Sulphapyridine tablets
Sulphapyridine soluble (sterile for injection)
Sulphathiazole
Sulphathiazole tablets
Sulphbromophthalein, (bromsulphalein) soluble
Sulphbromophthalein soluble injection
Suprarenal cortex, extract (cortin)
Suprarenal cortex injection
Surgical silk
Surgical silk, sterile
Suture, surgical, synthetic
Suture, surgical, synthetic, sterile
Tablets(general chapter)
Testosterone propionate
Testosterone propionate injection
Testosterone propionate tablets
Tetanus toxoid
Tetracaine hydrochloride (pontocaine)
Tetrachloroethylene
Tetrachloroethylene capsules
Theobromine with sodium acetate
Theobromine with sodium acetate capsules
Theophylline tablets
Theophylline with ethylenediamine tablets
Theophylline with ethylenediamine injection
Theophylline with sodium acetate tablets
Thiamine hydrochloride elixir
Thiamine hydrochloride tablets
Thyroid tablets
Thyroxin tablets
Totaquine
Tribromoethanol (avertin)
Tribromoethanol solution (alvertin with amylene hydrate)
Trichloroethylene (pearls)
Urea
Water for injection
Yeast
Yeast tablets

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CREAM of TARTAR, U.S.P.
ROCHELLE SALTS, U.S.P.
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DELIVERS
THE GOODS

Despite crop shortages, ship sinkings, and wholesale devastation abroad, Penick's customers are, almost without exception, getting their requirements of botanical supplies.

Much credit must go to our far-flung field organization which manages to locate and develop new sources of supply as old ones are bottled up. They keep cargo after cargo moving across thousands of extra ocean miles into Penick warehouses.

Some botanical buyers have been surprised to find Penick able to supply items generally believed to be unobtainable. Many more buyers, consequently, have turned to Penick as their "primary source of supply for botanical raw materials."

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Proposed U.S.P. Deletions

Acetum scillae
Acidum aceticum dilutum
Acidum acetyltannicum
Acidum sulphuricum aromaticum
Acontium
Acriflavina
Acriflavinae hydrochloridum
Aethylhydrocupreinae hydrochloridum
Albumin tannas
Ammonii benbzoas
Ammonii bromidum
Ammonii salicylas
Arseni triiodidum
Asafetida
Bismuthi subgallas
Calcii bromidum
Calcii creosotas
Cannabis
Cantharis
Capsicum
Carbromalum
Ceratum cantharidis
Cinchona
Copaiba
Creosoti carbonas
Creosotum
Dichloramina-T
Elixir glycyrrhizae
Emplastrum cantharidis
Emulsum asafetidae
Extractum cannabis
Extractum nucis vomicae
Ferrum
Fluidextractum belladonnae radicis
Fluidextractum cannabis
Galla
Guaiacol
Hydrargyri iodidum flavum
Iodoformum
Kino
Linquor ammonii acetatis
Liquor ferri chloridi
Liquor ferri tersulphatis
Liquor sodii hypochloritis dilutus
Magma ferri hydroxidi
Massa hydrargyri
Merbaphenum
Mistura opii et glycyrrhizae composita
Oleum maydis
Oleum santali
Paraffinum
Paraffinum chlorinatum
Pepsinum
Pilulae aloes
Podophyllum
Potassii chloras
Pulvis ipecacuanhae et opii
Pulvis sennae compositus
Pyrogallol
Quinina
Resina podophylli
Santoninum
Scilla
Serpentaria
Sodii acetas
Spiritus aethylis nitritis
Spirtus chloroformi
Strychninae nitras
Sulphonethylmethanum
Sulphur lotum
Syrupus ferri iodidi
Syrupus scillae
Terebenum
Theobromina cum sodii salicylate
Tinictura aconiti
Tinctura cantharidis
Tinctura capsici
Tinctura cinchonae composita
Tinctura ferri chloridi
Tinctura kino
Tinctura scillae
Tinctura valerianae
Tinctura veratiri viridis
Unguentum gallae
Valeriana
Veratum viride

Gardner-Richardson Fills Vacancies in Official Family

Gardner-Richardson Company, manufacturer of folding cartons, Middletown, Ohio, has made several changes in its official family to meet conditions arising from deaths and resignations. The officers of the company now are:—Chairman of the board, C. L. Keller; president and general manager, E. T. Gardner; assistant to the president, E. T. Gardner, jr.; vice-presidents, Colin Gardner, W. H. Richardson, W. S. LaRue, and W. E. Sooy; secretary, R. R. Richardson; assistant secretary, R. B. Gardner; treasurer, M. S. Johnston; assistant treasurers, J. J. Hain and R. O. Brosius.

Soap Sales Gain

For the half year ended June 30 the seventy-nine manufacturers reporting to the Association of American Soap and Glycerine Producers showed sales of 1,713,709,100 pounds of soaps other than liquid at a sales value of $169,172,430, and 1,550,065 gallons of liquid soaps at a sales value of $1,186,854. The total dollar sales were $170,359,284.

In the second quarter of 1941, and for soap sales other than liquid, seventy-two manufacturers sold 890,602,233 pounds for $90,085,272. In pounds, this was 38.1% higher than the corresponding quarter of the previous year. Similarly for liquid soaps, forty-three manufacturers sold in the second quarter of 1941 a total of 695,827 gallons for $610,193.

Mercury Output in June Sets New High Record

Production of 4,000 flasks of quicksilver in the month of June set a new high record for the monthly rate since the previous world war, and probably since the period of the country's greatest output, from 1875 to 1883. It was 400 flasks ahead of the May production and compared with an average monthly output of 1,500 flasks or less for many months prior to the present war. The Bureau of Mines in reporting the above figures stated that new rich strikes contributed to June production and also said that, as a consequence, the sharp rise in the total may be temporary unless influenced by other factors.

Bureau of Mines figures on importations give no June figures but report arrivals of 79 flasks in March and 25 in April. During the past week, 1,000 flasks were reported landed at New York from Lisbon, Portugal, the first shipment of European metal to reach here for a very long time.

Anesthetic Explosion Kills Experimenter

Baltimore, Aug. 4, 1941

Miss Edith Ford Sollers fell a victim to a fatal accident while she was conducting experiments with a new anaesthetic at the University of Maryland yesterday as one of a number of investigations designed to develop a product for adoption by the United States Army.

Miss Sollers was carrying on voluntary research work while on a vacation at home from her duties as associate professor of chemistry at the Connecticut College for Women, New London. She was making tests with a combination of bromine and paraldehyde, when the container with the mixture exploded and she inhaled the fumes, suffering injuries to the lungs which caused death two days later at the University Hospital.

Trade Briefs

Prussin Chemical Company, this city, has changed its corporate name to Bennre Chemicals, Inc.

Publicker Commercial Alcohol Company, Philadelphia, plans the erection of a processing unit at a cost of $50,000.

Associated Chain Drug Stores will hold its annual convention at the Waldorf-Astoria, this city, on September 8-10.

General Scientific Laboratories, Inc., has moved to 521 West Twenty-third street, this city. Telephone Chelsea 2-5190 and 1.

Mac Aniff Drug Company, this city, has filed a certificate of voluntary dissolution in the office of the Secretary of State.

Pepsi-Cola Company, formerly Loft, Inc., has bought the five-story store and office building at 11 E. Forty-second st., this city.

War Department, at a cost of $330,943, will construct a 250-bed hospital unit adjacent to newly-constructed hospital facilities being leased at Danville, Ky.

McKesson & Robbins, Inc., net sales for the first six months of 1941 were $84,546,587, a gain of 12.23 percent over the $75,332,103 registered in the similar period of 1940.

Cordero Mining Company is erecting $125,000 quicksilver reduction plant on its property near McDermitt, Nev. The plant is designed for the treatment daily of 80 tons of cinnabar.

Poison labels specifications have been formulated for Federal purchases; they are identified as G-L-51 and will become effective October 1. On the same date new specifications for vial labels (UU-L-56) also will become effective. Copies of these specifications may be procured at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

Botanical Drugs, Spices, and Gums

Eastern Valerian Higher as Shipments Cease—Cassia and Ginger in Sharp Rises — Celery Seed Quotations Jumped—New Crop Wormwood Cheaper—Mandrake Advanced

Price trend in the market for botanical drugs continued strong throughout the past week. Far East conditions worked against maintenance of steady prices for many spices and conspicuous in trading throughout the period were cassia and celery seed. The situation also brought out higher spot quotations on Eastern valerian root—practically the sole variety available now and importation of which has stopped entirely. These were features during the period reviewed.

Gentian root advanced notwithstanding the fact that large quantities are under engagement to come forward. The spot stock was small and demand ran actively. Domestic blood root has been poorly collected at high cost to dealers and spot quotations reflected this. Mandrake root collection runs subnormal and prices rise.

Jamaica ginger came in for one of the sharpest rises in months and stocks had shrunken substantially at the end of the week. French thyme was higher. Clove and cinnamon advanced.

Pyrethrum flowers were lower in powder form. The end of imports from Japan has not affected the market since there is more than plenty of material available in the Kenya Colony. Newly collected wormwood herb was offered at sharp reductions. Cociliana bark was also shaded. New arrivals of red squill root brings sharp price drop.

Balsams

Peru.—Strong. In low supply. In good request. Hard to get at source.

Tolu.—More activity brings firmer prices.

Barks

Cocillana.—Reduced further to 22c. to 23c. per pound under competition.

Elm.—Collection lagging. Firmer market. Active season ahead.

Wild Cherry.—Some tall prices reported in the country offering thick natural bark. Situation not too favorable.

Red Squill Root

It is still to be rough on rats, notwithstanding the war. The rodent population may well beware and bewail the barter arrangement whereby this raticide is reaching here from French North Africa.

Washington has negotiated an agreement with the Vichy Government in unoccupied France and with the French North African pro-consul, General Weygand, whereby the United States will receive olive oil, tartaric acid, cork, and red squill root in exchange for tea, sugar, foodstuffs, mineral oil, clothing and cotton burial robes. The British are not blockading these materials.

To conserve stocks for war on rats, the OPM requires export to be done under Federal license and issuance of general export license to Great Britain, Canada, and the Philippine Islands is authorized by the Department of State.

Italy was the prime source of supplies before the war. In the first quarter of 1941 arrivals totaled but 17,795 pounds, Italy supplying 9,757 pounds and British India 8,038 pounds, according to Department of Commerce data.

An arrival of root from French North Africa has broken the spot price on powder from the recent level of $1.25 per pound to a new basis at 50c. per pound. The market was 20c. on August 25, 1939, before the war.

Price Changes

Advanced

Blood root, 5c. per lb.
Camphor, natural, slabs, powder, 35c. per lb.
tablets, 33c. per lb.
Canary seed, Morocco, ¼c. per lb.
Celery seed, French, 10c. per lb.
Indian, 12c. per lb.
Cassia, Batavia, No. 1 thin quill, 1c. per lb.
No. 1 regular, ½c. per lb.
shortstick, ½c. per lb.
China, rolls, select, 2c. per lb.
rolls, select, broken, 2c. per lb.
Saigon, No. 1, 4-10-4, 3c. per lb.
10-6-2, 2c. per lb.
All thin, 2c. per lb.
Cinnamon, Ceylon No. 2, 1c. per lb.
Clove, Zanzibar, ½c. per lb.
Gentian root, whole, 8c. per lb.
ground, 8c. per lb.
powdered, 8c. per lb.
Ginger, Jamaica, bold, 10c. per lb.
medium, 9½c. per lb.
bright grinding, 9c. per lb.
Marjoram, Chilean, 1c. per lb.
Mandrake root, 1c. per lb.
Papain, powdered, 50c. per lb.
Peppers, red, chillies, Japan, 3½c. per lb.
Pimento, Jamaica, 2c. per lb.
Thyme, French, 10c. per lb.
Valerian root, Eastern, 8c. per lb.

Reduced

Cocillana bark, 1c. per lb.
Pyrethrum flowers, milled, 1c. per lb.
Rosemary leaves, 6c. per lb.
Squill root, red, 70c. per lb.
Wormwood leaves, 20c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
277.4	276.9	273.8	201.1

Market news that may have developed after this report was sent to press will be found on page 4.

Beans

Calabar.—Little doing. Very firm. Moderate supplies. Limited distribution.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	190	1,454
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	10	1,681
Celery	85	1,052
Coriander	16,396	31,549
Cumin	3,101	12,599
Digitalis leaves (cases)	...	...
Dill	3,118	16,626
Fennel	196	2,028
Henbane leaves (bales)	150	170
Mustard	...	9,763
Poppy	230	3,153
Sage leaves (bales)	968	5,040
Sesame	3,127	10,499
Stramonium (bales)	10	10
Thyme	1,030	1,924

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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The earth contributes and J. L. Hopkins & Company distributes every foreign and domestic botanical drug for which there is any commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

✓ALOES
✓ALTHEA ROOT
✓ANISEED
✓ARECA NUTS
✓ASAFOETIDA GUM
✓BENZOIN GUM
✓BUCHU LEAVES
✓CALAMUS ROOT
✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (116% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
✓WILD CHERRY BARK
✓PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

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CELERY SEED
French and Indian
CLOVES, Madagascar
CORIANDER SEED
CUMIN SEED
FOENUGREEK SEED
MARJORAM LEAVES, French
PARSLEY SEED
SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES, French
AMINOPHYLLINE
ASPIRIN, QUININE AND OTHER TABLETS
BARBITAL
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL N.F.
MENTHOL
Japanese and Chinese
MILK SUGAR U.S.P.
STRYCHNINE SULFATE
COD LIVER OIL, Medicinal and Poultry Grades
VITAMIN PRODUCTS
PEPPERMINT OIL U.S.P.
SAVIN OIL
AGAR AGAR, Japanese
Shreds, Cut and Powder
ALOES, Curacao and Cape
ALTHEA ROOT
BALSAM COPAIBA
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
BUCHU LEAVES
COCILLANA BARK
CORIANDER OIL U.S.P.
FENNEL SEED, Indian
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR, Japanese
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
JUNIPER BERRIES
LAVENDER FLOWERS
LINDEN FLOWERS
MAHUANG, Chinese
MALEFERN ROOT
ORRIS ROOT
PSYLLIUM SEED
PSYLLIUM SEED HUSKS
QUINCE SEED
RHUBARB ROOT
SARSAPARILLA ROOT
SENNA LEAVES
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Codes: A. B. C. 5th & 6th Edition and Bentley's

Vanilla.—Active. Demand finding but small stocks against which to draw. Prices practically nominal. Little merchandise can reach here from primary markets. Sellers aloof.

Berries

Juniper.—Varieties of domestic berries available usually unfit for normal uses. Prices strong and high.

Sloe.—Much doubt regarding imports from Far East ports.

Flowers

Elder. — Moderate domestic stocks collected at fairly high cost.

Linden. — Domestic collection not very good. Stocks to be scarce.

Mullein. — Lacking further price change. About steady.

Pyrethrum.—Lowered to 21c. to 22c. per pound for ground and to 22c. to 23c. for powder. Ending Japanese exports without market effect here. Plenty of flowers in Kenya Colony.

Gums

Arabic.—Holding firm to strong at 20c. per pound. Fair stocks believed held in this country. Plenty engaged to come forward. Trouble in getting steamers persists.

Asafetida. — Transport of replacement stocks from source to spot slow and uncertain. Costs running fairly high. Spot quotations very firm.

Camphor.—Natural slabs and powder up to $1.15 per pound, nominal. Tablets, $1.20, nominal. Imports stopped. Synthetic cannot supply all needs.

Karaya.—Import costs rising due to transport and other costs. Very firm spot market. Excellent demand. Future arrivals uncertain.

Herbs and Leaves

Belladonna.—Holding firm and unchanged. Stocks limited. Domestic output below expectations.

Marjoram. — Chilean advanced to 12c. to 12½c. per pound. Other varieties unchanged and still nominal.

Rosemary.—More available. Market down to 20c. to 21c. per pound.

Thyme.—French jumped to 75c. to 77c. per pound. Stocks down practically to sample lots.

Wormwood.—Price down to 40c. to 55c. per pound, as to seller. Due to new crop being marketed.

Miscellaneous

Ergot.—Steadier. No further price recession. Fair demand.

Irish Moss.—Prices for domestic climbing at source. Bidding for supplies advancing first costs sharply.

Papain. — Nothing offered from source with definite shipment date. Spot powder up to $3 per pound minimum. Sales reported at $2.50.

Roots

Blood.—Collections poor. High prices being paid. Spot up to 17c. to 19c. per pound.

Gentian.—Plenty bought to arrive. No knowledge of shipment being made. Whole up to 70c. to 72c. per pound, spot; ground, 72c. to 74c.; powder, 74c. to 76c. Some with stocks have withdrawn from offering.

Mandrake. — Collections poor in country. Much higher prices being paid. Spot advanced to 14c. to 15c. per pound. Even with country prices.

Rhubarb.—Firmer because of dwindling steamer services. Prices hold.

Valerian.—Eastern advanced to 45c. to 47c. per pound. Caused by primary market being cut off.

Squill.—Red squill root powder reduced to 50c. to 60c. per pound. Goods arriving from North African ports under governmental arrangements. The price might be shaded on attractive business. Adequate stocks declared available. Six-month contracts offered. Arrangement for imports subject to instant termination.

Seeds

Canary.—Morocco up to 5.50c. to 5.80c. per pound.

Celery.—Prices jumped to 95c. to 98c. per pound for French. Indian sold at 60c. to 62c. per pound. Little more offered thereat.

Poppy.—California acreage reported burnt under official order. Some arrivals from Europe may have to be sterilized.

Spices

Cassia.—Much higher again. Batavia, No. 1, thin quill, 21½c. to 22c. per pound. No. 1, regular, 20½c. to 21c.; shortstick, 16c. to 16½c.; China, select rolls, 16c. to 16½c.; extra select, broken, 15c. to 15½c.; Saigon, No. 1, 4-10-4, 33c. to 34c.; 10-6-2, 34c. to 36c.; all thin, 36c. to 37c.

Clove.—Zanzibar up to 16c. to 16½c. per pound.

Ginger.—Jamaica prices in sharpest rise in months. Scarcity abounds. Bold, 34c. to 35c. per pound; medium, 32c. to 33c.; bright grinding, medium, 30c. to 31c.

Pepper.—Red peppers up to 26c. to 27c. per pound for Japanese chillies. White and black peppers show firmness. Fair demand from grinders.

Trading in black pepper futures on the New York Produce Exchange from August 4 to August 8, inclusive, comprised 154 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	6.49	6.14	6.40 sale
July	6.67	6.26	6.55@6.60
September	6.27	5.90	6.18 sale
December	6.40	6.05	6.30@6.32

Pimento.—Jamaica item higher, spot at 24c. to 25½c. per pound. Futures reported offerings low as 15½c. per pound.

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Essential Oils, Aromatic Chemicals

Aromatic Chemicals Getting Scarce — Producers Not Openly Quoting Many Items—Camphor Oil Products Higher and About Nominal—Natural Oils Up as Stocks Dwindle

The market situation becomes more and more mixed as time and demand cut into available supplies of both essential oils and aromatic chemicals. For the most part, quotations seem to be made without offer, or at least subject to confirmation. Quantities available were on the small side and replacement of reduced stocks was subject to the hampering influences of causes stemming directly from the effect of the war on all parts of the globe.

Much market interest centered in materials connected directly with Japan, as well as those supplied from the Far East. Camphor oil, artificial sassafras, safrol, cassia, and anise were all higher and very strong. Leading firsthands in sassafras and safrol stopped quoting and the only prices available originated with dealers.

Supplies of aromatic chemicals were such as to make first hands reluctant to quote. All of them reported hearing of open market transactions at very sharp price premiums. Plant troubles have cut output of such things as acetophenone, amyl salicylate, the benzyl compounds, cinnamic aldehyde and alcohol, methyl acetophenone, methylnaphthyl ketone, nerolin and yara yara. Hydroxycitronellal was nominal and scarce. An interesting phase of the aromatic chemical situation was the fact that some articles were cheaper in the dealers' market than in that of the producers.

Essential Oils

Almond.—No easing of tight, strong position. Bitter and synthetic oils in low supply. Demand heads stocks.

Amber.—Purely nominal. No known spot supply.

Anise.—Higher at 88c. to 90c. per pound. Very firm due to Far East situation. Demand good.

Avocado.—Quoted 80c. to 90c. per pound as to seller. Firmer in higher market.

Bergamot.—High demand for artificial oil. Extra fine qualities show diminishing supply. Strong prices.

Bois de Rose.—Limited stocks in strong hands. Price tendencies definitely to higher levels.

Camphor.—Very strong. Advancing. Numerous dealers report no stocks. Sassafrassy, drums, 27c. to 29c. per pound; cans, 29c. to 30c.; white, drums, 29c. to 31c.; cans, 31c. to 33c.

Cananga.—Advanced. Native, $9.25 to $10 per pound; redistilled, $10 to $11 per pound. Limited stocks in a few hands. Replacement uncertain.

Cardamom.—Higher at $25.50 to $35 per pound. Quoted according to dealer and quality. Strong market.

Cassia.—Prices upped sharply to $3.85 to $4.50 per pound. Caused by Japanese move in Far East. Dwindling spot stocks in strong hands.

Citronella.—Advance extended. Ceylon oil, purely nominal at 90c. per pound. Java oil, 85c. to 90c. Spot and replacement prices not far apart. Extreme uncertainty surrounds future shipments.

Clove.—Normal activity in very steady market. Ready market for all oil produced.

Coriander.—Advanced to $22 to $25 per pound. Stocks reduced. Output moderate from domestic stills.

Erigeron.—Very firmly held at minimum of $2.25 per pound. Few holders. Nothing reported regarding probable distillation this year.

Eucalyptus.—Advanced to 65c. to 70c. per pound in drums. Sellers reserved. Nothing forthcoming from Japan. Nothing known available from Spain. Australian production sole dependence of sellers and users.

Fennel.—Sharp rise to $2.50 to $2.75 per pound for spot goods. General strength accompanied moderate stocks.

Geranium.—Purely nominal at $15 per pound. Little actually available.

Hemlock.—Slightly higher at 95c. to $1.15 per pound.

Juniper.—Virtually nominal market. No sure and certain supply.

Lavender.—Spike oil higher at $2.60 to $2.90 per pound in drums. Supply narrow. Replacement uncertain from Europe.

Lemon.—Firm. Good demand. No surplus supply. Domestic production meeting test very well to supply country's needs.

Lemongrass.—A few isolated lots noted. Nothing offered firm. Market higher at $1.85 per pound nominal.

Mustard.—Reasonable needs being supplied. No surplus on spot. Very firm prices.

Nutmeg. — Most sellers adhere to

Price Changes

Advanced

Anethol, 10c. per lb.
Anise, 3c. per lb.
Avocado, 5c. per lb.
Camphor, sassafrassy, 7½c. per lb.
white, 7c. per lb.
Cananga, native, 50c. per lb.
redistilled, 75c. per lb.
Cardamom, 50c. per lb.
Cassia, 60c. per lb.
Citronella, Ceylon, 10c. per lb.
Java, 10c. per lb.
Coriander, $4 per lb.
Erigeron, 75c. per lb.
Eucalyptus, 1c. per lb.
Fennel, 50c. per lb.
Hydroxycitronellal, $1 per lb.
Lavender, spike oil, 15c. per lb.
Lemongrass, 10c. per lb.
Patchouli, 65c. per lb.
Peppermint, natural, 25c. per lb.
redistilled, 30c. per lb.
Vetiver, Java, 25c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
214.7	210.9	203.8	128.2

Market news that may have developed after this report was sent to press will be found on page 4.

Orange Oil

Wherever oranges grow, there orange oil is produced. Italy, France, Spain, British East Africa, French Africa, Palestine, Peru, Brazil, Jamaica, and the United States are some of the producing countries.

But war has cut off the spot market from most foreign sources of supply, leaving the consumer in this country greatly dependent on United States production.

Before the war, French Africa held first place as a shipper to the United States by Department of Commerce data. In 1939, it shipped 172,016 pounds out of a total of 237,289 pounds. Italy's share was but 23,001 pounds. Total imports in January-April this year were 42,676 pounds, against 49,270 pounds in 1939.

Ten years ago, total imports were 131,837 pounds, Italy supplying 73,825 pounds and Jamaica 44,809 pounds of the total shipped here by ten countries. French Africa was not then in the picture.

The United States makers bear most of the burden of supplying home needs and prices have advanced. The current price of expressed oil is $3 per pound, and distilled oil is $1.60. On August 25, 1939, expressed was $1.10 and distilled was 50c. Over the same period, Italian oil has advanced from $1.90 per pound to the current figure of $8 if available.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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minimum of $2.25 per pound. Some lots quoted at $1.15.

Patchouli.—Higher at $5.50 to $8 per pound. Domestic distilled held at $7.50 to $8. Far East still offering.

Peppermint.—Higher. Natural, $3.60 to $3.80 per pound. Redistilled, $3.85 to $4.05. Dovetails with stronger primary markets. Michigan and Indiana production reduced by unfavorable growing conditions. Some increase in demand expected to arise from curtailment of menthol supplies.

Sassafras. — Artificial, 78c. to $1.25 per pound, nominal in cans. Imports stopped. No more raw material coming forward. Natural up to $1.05 to $1.20 per pound. Sellers reserved.

Vetiver.—Java oil up to $8.75 to $11 per pound. Little at inside figure. Replacement difficulties control prices.

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Aromatic Chemicals

Acetophenone.—Stocks scarce. Producers offer little. Few makers quote 50-100 pounds, $1.55 to $1.60. Dealers report sales at $1.45 to $1.60 per pound.

Amyl Salicylate.—Mostly a nominal market. Producers behind. Nominal price 55c. per pound, made without offer. Dealers getting around 60c. to 63c. per pound. 50 to 100 pounds.

Benzyl Acetate.—Some producers far over sold. Production less. Makers have price of 48c. to 55c., 50 to 100 pounds. Dealers getting 52c. to 54c.

Benzyl Alcohol.—Strong item. Dealers selling 65c. to 69c. per pound from limited stocks. Minimum of 63c. is nominal with producer. Some quote 50 to 100 pounds at 75c. inside. Far oversold. Only regular customers served.

Benzyl Benzoate. — One producer price of 80c. per pound nominal. Another names 50 to 100 pounds at $1.10. Dealers prices ranging 85c. to $1.04.

Benzyl Salicylate.—Makers' range $1.65 to $1.70 per pound, 50 to 100 pounds. Dealers quoting $1.65 to $1.75. Some producers far oversold.

Benzophenone. — Producers, $1.05 per pound, strong. Dealers selling around $1.10.

Cinnamic Aldehyde.—Minimum priced producer purely nominal at 85c. Dealer transactions at $1.60.

Cinnamic Alcohol.—Virtually nominal market. Producers quotations ranging $2.80 to $3.40 per pound as to grade, based on 50 to 100 pound quantities. Dealers getting $3 at least.

Diphenyl Oxide. — Leading producers report little available for delivery. Maintaining unchanged prices at 43c. to 45c. per pound in drums and 48c. to 50c. in cans.

Methyl Acetophenone. — Producers' price position virtually as in acetophenone. Dealers quoting $1.50 to $1.55.

Methyl Anthranilate. — Leading maker reports limited stocks. Little for new, prompt delivery. Prices held at $2 to $2.30 per pound.

Methylnaphthyl Ketone.—One producer has nominal price of $2.75 per pound. Another quotes 50 to 100 pound lots at $2.95. Dealers name $2.85 to $3.05 and report sales.

Nerolin.—One important maker not quoting. Another has nominal price of $1.50 per pound. Some dealers hold at $1.35 but offer little.

Vanillin.—Price on eugenol vanillin was not changed in previous week. Range still $2.60 to $2.75 per pound as to quantity. Guaiacol and lignin vanillin were reduced. Buyers with orders in hand complained last week of inability to place them with guaiacol and lignin vanillin producers. Lignin vanillin production recently stepped up. Lignin-guaiacol vanillin price range $2.15 to $2.55 per pound as to quantity. Report of drop in eugenol vanillin price resulted from misunderstanding of the request for price data.

Tracy Joins Fritzsche Bros.

Kenneth W. Tracy has joined the organization of Fritzsche Brothers, Inc., essential oils and aromatics, this city, and will be an associate of H. P. Wesemann, director of purchases and recently elected vice-president.

Mr. Tracy was graduated from the University of Michigan in the class of 1908. The next six years were spent in the employ of Frederick Stearns & Co., of Detroit. He left this employment to become assistant salesmanager for William R. Warner & Co., serving the company for twenty-three years, following which he became purchasing agent for Richard Hudnut & Co., a subsidiary of the Warner Company.

Petroleum Products

Shortage of Petroleum Products Becomes More Acute—Lacquer Diluent Practically Unobtainable—Crude Paraffin Advanced —Henderson Acts to Peg Prices on Penna. Lubricants

The combination of the needs of defense industries and the transportation problem continued to work a hardship on industrial users of petroleum products last week. A further shortage developed in many of the solvents and diluents. This was especially true of lacquer diluent, which was virtually unobtainable. Aromatic naphthas were not offered, with what small supplies existing going to regular customers. Paraffin was very scarce and was higher. Petrolatums and white mineral oils were in heavy demand. Butane and propane were hard to obtain and other lighter fractions were tight.

Leading oil refiners producing Pennsylvania grade lubricants have been asked by Leon Henderson, administrator of the Office of Price Administration and Civilian Supply, to base prices upon 33 cents per gallon for the dominant grade, 200 viscosity neutral oil, 25 pour test, and to maintain current price differentials for the other grades of neutrals, it was announced last week.

Price Changes

Advanced

Oil, lubricating, Pa. cylinder oils, 600-650 s.r., ½c. per gal.
Paraffin, crude scale, ¼c. per lb.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Virtually unobtainable. No spot business. Prices strong.

Cleaners' Naphtha.—Tight. Shipments small. Demand heavy. Price firm.

Lacquer Diluent. — Very scarce. Prices strong but unchanged.

Mineral Spirits.—Good demand. Offerings limited. Prices steady and unrevised.

Rubber Solvent.—Good movement. No scarcity yet, but new business being discouraged. Price firm.

Stoddard Solvent.—Market beginning to tighten somewhat. Shipments large. Quotation unaltered.

V.M. & P. Naphtha.—Movement fairly large. Sales curtailed. Stocks low. Price unchanged.

Markets at Other Centers

Chicago—Aug. 8

Strong demand for most grades of materials is reported.

Aromatic Naphthas.—Material scarce, prices strong.

Cleaners' Naphtha.—Heavy call, market firm.

Lacquer Diluent.—Buyers interested, quotations firm.

Mineral Spirits.—Limited offerings, no price change.

Rubber Solvent.—Good demand, quotations steady.

Stoddard Solvent. — Active buying, prices stiff.

V. M. & P. Naphtha.—Inquiry good, no price change.

New Orleans—Aug. 8.

A seasonal demand continued to be experienced on cleaning solvent and V.M. & P. naphtha, with prices exhibiting the usual stable trend.

Cleaning Solvent.—Demand routine; price steady.

V.M. & P. Naphtha.—Movement normal; no change in price.

San Francisco—Aug. 8

Good demand in all divisions. Especially active are those items going into paint manufacture.

Aromatic Naphthas.—Broad demand.

Petrolatum Thinners.—Orders good.

Lacquer Diluent.—Movement brisk.

V. M. & P. Naphthas.—Demand active.

Rubber Solvent.—Demand continuous.

Stoddard Solvent.—Summer influence being felt.

Cleaners' Naphtha.—Routine.

Tulsa—Aug. 8

An expansion in trading for naphtha and solvents developed. Quotations firming. Rubber solvents strongest item.

Cleaners' Naphtha. — Strong demand. Prices firm.

Stoddard Solvent.—Heavier inquiries. Quotations unrevised.

V. M. & P. Naphtha.—Demand expanding. Prices strong.

Mineral Spirits.—Good call. Prices unchanged.

Lacquer Diluent.—More buying. Quotations strong.

Rubber Solvent.—High activity. Quotations firm.

Lubricating Oils

When lubricating oils were placed under export control a lucrative export trade was halved. In illustration, 2,616,791 barrels were exported in the first four months of this year, a sharp drop from the 4,472,937 shipped during the similar period of 1940.

There is no doubt that domestic demand is broadening, however, which may tend to compensate for the loss of foreign markets. The 1940 domestic consumption was 24,657,000 barrels, a new record that was four percent higher than the 1939 record of 23,713,000. Oil men anticipate still higher figures this year. Production in 1940 totaled 36,765,000 barrels, compared with 35,036,000 in the previous year.

Prices have moved upward since the outbreak of the war. In August, 1939, 200 viscosity, three color, neutral was quoted at 10.13c. per gallon in the Midcontinent, compared to a present price of 12½c. Midcontinent 150-160 bright stocks were 14¼c., against 20½c. currently. The 200 Pennsylvania neutral, 25 pour, moved from 17½c. to a range of 33c. to 40c. per gallon. On the Gulf Coast, 500 viscosity, 3½ color neutral was 7½c. per gallon compared to a present price of 8½c. to 9c.

Lighter Fractions

Butane.—Movement narrow due to small supplies in sellers' hands. Demand heavy. Price steady.

Heptane. — Satisfactory call. Inquiries more numerous. Price unchanged.

Hexane.—Little of new interest. Demand, offerings and price unchanged from previous week.

Octanes.—Movement continued to broaden as demand expanded. Inquiries up. Prices firm.

Pentanes. — Industrial consumers buying heavily. Tightness more apparent. Price unchanged.

Propane.—Few offerings. Stocks very low. Movement small. Demand heavy. Price strong.

Markets at Other Centers

Chicago—Aug. 8

Strong market conditions prevail. Orders extensive. Market tight.

Butane. — Supplies limited, market strong.

Heptane.—Active interest, prices firm.

Hexane. — Good interest, no price change.

Octanes. — Movement good, market steady.

Pentanes.—Demand extensive, quotations unchanged.

Propane.—Limited supplies, prices stiff.

Tulsa—Aug. 8

Buyers very active in light fractions. Market exceedingly strong.

Butane.—Steadily increasing. Interest quotations firm.

Propane.—Heavy call. Prices strong.

Pentane.—Steady demand. Prices firm.

Petrolatums and Waxes

Paraffin.—Crude scale material advanced ¼c. per pound to nominal price of 5½c. for both the 122-24 and 124-26. Very tight. Buyers again active after short breathing spell.

Petrolatums.—Demand heavy. Market tight. Prices firm.

White Mineral Oils.—Better than normal movement. Prices unchanged.

Markets at Other Centers

Chicago—Aug. 8

Movement into buyers' hands quite heavy. Price structure shows strength and stability.

Paraffin. — Limited supplies, prices strong.

Petrolatums. — Good call, no price change.

White Mineral Oils.—Orders brisk, market firm.

—Continued on page 60

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Highest quality
NAPHTHENIC ACID
CRESYLIC ACID
VISCOUS OILS (extremely viscous polymerized hydrocarbons)
CALODORANT GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

PETROLATUMS and WHITE OILS
Buy Sherwood Quality ... If you're aiming your product at results!
SHERWOOD
REFINING COMPANY, INC.
Englewood, N.J. Refinery, Warren, Pa.

TECHNICAL
WHITE OILS
OIL STATES PETROLEUM CO., INC. Woolworth Bldg., New York Plant: Bayonne, N.J.

Quality White Oils
ATLANTIC
Atreols and Ultrols
SEND FOR FREE SAMPLES AND PRICES
THE ATLANTIC REFINING COMPANY
Technical Sales Division
260 S. Broad St. Philadelphia

HOW TO PULL MORE PROFIT OUT OF YOUR PAINT !
NOT rabbits out of your hat, but *profits* out of your paint! That's the sort of magic you can perform when you treat your paints with
FRITZSCHE BROTHERS' PAINT DEODORANT No. 5
By using this proven deodorant you can give the consumer the type of paint he has been waiting for *and will buy*—namely, one *without objectionable odor.* The cost is negligible — 1 lb. of "No. 5" effectively masks 400 gallons of the average paint. Write for particulars TODAY.
FRITZSCHE BROTHERS, Inc.

Fertilizer Materials

Menhaden Futures Again Lowered as Fish Hauls Increase—Spot Meal Also Reduced—Other Organics Firm to Higher —Contracting Brisk for Chilean Nitrate

The quotation on dried menhaden futures continued to drop last week as producers estimated still larger available production. Fish hauls in the Chesapeake Bay and South Atlantic areas continued to grow heavier and producers were proceeding somewhat more cautiously in order not to flood the market. Buyers were hanging back in hope of still lower prices. Spot menhaden meal also was reduced.

The general market for organic materials was firm, with advances recorded for 3 and 50 imported bone meal, cottonseed meal, nitrogenous material at the East Coast and feed and fertilizer tankage. The demand for feed material was buoying the market and stocks of many products were beginning to dwindle.

Contracting for imported nitrate of soda was very brisk in the period. The higher prices failed to discourage buyers. Sulphate of ammonia remained a feature with more and more sellers unable to book contracts due to lack of supplies. Potash salts were tight and in good demand. Other chemical products, if available, were attracting good buying interest.

Nitrogenates

Anhydrous Ammonia.—Fair demand. Price steady. Sales limited.

Ammonia Phosphate.—Fair buying interest. Price steady. Stocks small.

Calcium Nitrate.—Unavailable. Price withdrawn.

Castor Pomace.—Domestic material moving slowly. Price firm. No sales of imported reported.

Cyanamid.—Market remained very tight. Offerings small.

Dried Blood.—Fair movement reported, with stocks not as plentiful as in previous weeks. Prices steady and unrevised.

Fish Scrap.—Sales of dried menhaden futures at as low as $4.25 and 10c., a drop of 25c. per unit. Menhaden meal off $1 to $65 per ton.

Nitrate of Soda.—Tight market for both imported and domestic. Contracting active. Movement small. Price unchanged.

Nitrogenous Material.—Short supples in Midwest led to heavier buying in East. Prices here up 50c. to 75c. per unit to $2.75 to $3.

Sulphate of Ammonia.—Contracting heavy. Many producers totally booked. Price steady.

Tankage.—Fertilizer grade up 25c. per unit to $3.50 and 10c. f.o.b. Chicago. Feed material advanced 25c. per unit to $4.75 and 10c, f.o.b. New York and $5 and 10c., f.o.b. Chicago.

Urea.—Market tight. Prices firm.

Price Changes

Advanced

Bone, meal, 3% and 50%, imp., $1 per ton.
Cottonseed meal, 50c. per ton, Southeast mills.
Nitrogenous material, 50c. per unit, East Coast producing points.
Tankage, fertilizer, 25c. per unit, f.o.b. Chi.
feed, 25c. per unit, f.o.b. Chi. and N.Y.

Reduced

Fish scrap, dried menhaden, futures, 25c. per unit, f.o.b. Chesapeake Bay factories.
meal, spot, $1 per ton, f.o.b. Balto.

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.2	70.2	69.1	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Potashes

Delivery remained brisk during the week. Contracting was virtually completed. Stocks were reported very tight but it was believed that no serious shortage would develop. Prices were firm and unchanged.

Phosphates

Bone Materials.—The imported 3 and 50 meal was advanced $1 to $37.50. Other grades in fair demand and tight.

Phosphate Rock.—Heavy demand. Price steady.

Superphosphate. — Active call reported. Prices unchanged.

Sulphur and Pyrites

Contract call continued to slacken during the week as most mixers were already well stocked. Spot demand was small. Resumption of heavy demand is not expected for the rest of this month at least. Prices were firm and unrevised.

Markets at Other Centers

Atlanta—Aug. 8

Reports continue that some of the important fertilizer materials are hard to get. Sulphate of ammonia is very tight.

Superphosphate.—58c. per unit, interior producing points.

Nitrate of Soda.—$30 per ton, bulk, f.o.b. ports.

Sulphate of Ammonia.—$29 per ton, ports; $28, ovens.

Cottonseed Meal.—$34.50 per ton, southeast.

Blood.—$3.75 per unit, Chicago; $3,40, So. Am.

Tankage.—$5 and 10c. per unit, Chicago.

Bone.—Steam bone meal, 3 and 50, $37 per ton, Chicago.

Baltimore—August 8

An easier tone developed in the market for crude fertilizer materials during the week. There was no positive weakness, however, and the general situation presented an unchanged aspect.

FISH SCRAP.—The menhaden fishing continued good, holding out a prospect of increased production of scrap. The market here ruled at $4.25 and 10c. per unit-ton, with not a great deal of buying interest shown. Spot meal was quoted at $65 per ton in carload lots, f.o.b. Baltimore.

SUPERPHOSPHATE.—The demand for this product suggested increasing curtailment of stocks with the nominal quotations unchanged at $9.50 per ton for run-of-pile and $10 per ton for 16 percent flat supplies.

TANKAGE.—Market quiet, with offerings at $4.75 and 10c. per unit-ton.

DRIED BLOOD.—Last sales made at $3.50 per unit-ton.

BONE.—Imported raw bone, $37.50 per ton, with 1¼ and 60 at $4 per ton.

SULPHATE OF AMMONIA.—Market continued to hold around $29 per ton for domestic trading.

Chicago—Aug. 8

The general fertilizer materials market is quiet. Blood has been fairly active. Most transactions indicate interest in nearby requirements. Tankage is quiet. Bone materials are in moderate call.

Blood.—Principal grade, $3.75 per unit.

Tankage.—High grade, $5 and 10c.; hoof meal, $2.65 to $2.75; liquid stick, $1.50 to $1.75.

Bone Materials.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $37; 4½ and 50 percent, $37.50; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $35 to $37.50; pork cracklings, soft pressed, $50 to $52.50; beef cracklings, soft pressed, $45 to $50; hard pressed cracklings, per unit of protein, 95c. to $1.

San Francisco—Aug. 8

Throughout the market conditions are steady to firm, and this takes in all divisions. Buying is on the moderate side.

Sulphate of Ammonia.—Domestic, $38 per ton in 100-pound bags. Sales effected on day-to-day basis.

Nitrate of Soda.—100-pound bags, $33 per ton ex vessel or warehouse; 167-pound bags, $32.40; bulk, $30.

Superphosphate. — Domestic, 83c. per unit in bulk, f.o.b. San Francisco; bags, 99c.

Ammonia Phopsphate.—Eleven and 48 percent material at $56 per ton, port basis. Sixteen and 20 percent, $46, port basis, with $1 per ton higher for delivery inland.

Fish Meal.—Market stronger. Futures, $70 per ton for 67% protein material, f.o.b. San Francisco Bay points. Monterey, 65% protein, $69.

Tankage.—Steady and quiet. Dry rendered, ground, 50 percent, $50 per ton, f.o.b. cars; 55%, $54 per ton. Unground, dry rendered, 85c. per unit of protein, f.o.b. cars, South San Francisco. Wet rendered, nominally at $3.25 and 10c.

Blood Meal.—Quoted at $3.50 per unit, f.o.b. cars, San Francisco; $3.25 at Los Angeles.

Bone Meal. — Supplies light. Prices ranging from $40 to $47 per ton, delivered.

Southern States Cooperative has elected Robert C. Wilson, of Rawlings, Md., as president in succession to W. H. Johnson.

Arkansas Fertilizer Conference will be held in Marianna, Ark., September 24. Grade conference will be held in Little, Ark., September 25.

R.M. Salter to Head Soil and Fertilizer Div.

OPD Washington Bureau
August 5, 1941

Appointment of Robert M. Salter to head the Division of Soil and Fertilizer Investigations in the Bureau of Plant Industry was announced today by the U. S. Department of Agriculture. This division comprises the former divisions of soil chemistry and physics, fertilizer research, and soil microbiology. He will assume his new duties October 1. During the past year Mr. Salter has been director of the North Carolina Agricultural Experiment Station.

Chemical Exports Climb In First Five Months

Exports of chemicals and allied products from the United States continued the upward trend evident the last year with an aggregate value of $116,400,000 shipped during the first five months of 1941, 12 percent above the $103,300,000 shipped during the first five months of 1940, according to the Department of Commerce. Price increases were partly responsible for the improvement. A breakdown of the exports follows:—

	January-May 1940.	January-May 1941.
Coaltar products.....	$13,145,900	$13,190,600
Pharmaceutical preparations	12,109,300	15,993,100
Chemical specialties..	16,632,600	17,030,300
Industrial chemicals..	22,147,200	25,657,500
Pigments, paints.....	10,803,700	10,334,600
Fertilizers, materials.	6,041,000	6,440,300
Explosives	2,331,700	9,715,700
Soaps	1,324,500	1,351,700
Toilet preparations...	2,616,200	2,930,200
Sulphur	5,282,200	3,300,000
Printing ink.....	611,400	738,100
Naval stores.....	6,494,500	4,652,900
Crude drugs.....	885,900	777,200
Essential oils.....	1,549,100	2,585,400

Soda Nitrate Solution Freight Rates Reduced

The New York Public Service Commission has approved new commodity freight rates of the Delaware, Lackawanna & Western Railroad on sodium nitrate solution, in tankcars, minimum rate subject to Rule 35 of Official Classification, from Syracuse and Solvay to Albany on Delaware & Hudson and from Solvay to Albany and Rensselaer on the New York Central 18 cents per hundredweight reduction. Effective August 22.

Castor Pomace

The only entry of castor pomace recorded in United States import statistics for the first five months of 1941 occurred in February, when three tons were shipped from Cuba, the first time this product ever has been received from that country. This marked reduction in imports is a continuation of the trend started in 1940 when only 6,297 long tons were shipped to this country, compared with 22,830 tons in 1939, and an annual average of 18,400 tons during the six years, 1934-1939.

Prior to the outbreak of the war the United Kingdom was always the most important source of supply for this commodity. Second in importance as a supplier was Germany, with smaller amounts coming from the Netherlands, Belgium and Yugoslavia. Domestic production was stepped up last year to offset the drop in imports and further expansion of output is being registered this year.

Pricewise, castor pomace has reacted contrary to other fertilizer materials in that the price now is lower than it was prior to the outbreak of war. In August, 1939, domestic material in bags was quoted at $16.50 per ton in car lots at the works. It rose as high as $17.50 but then started to drop to its present level of $15.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

FERTILIZER MATERIALS
Domestic — Import — Export
FRANK R. JACKLE
405 Lexington Ave., New York
Telephone: MU 9-9188
Cable Address: "JACKLECO"

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

Shipping Information

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Imports at U. S. Ports

New York Imports

ALOE—30 cs, Selma Mercantile Corp, Bonaire
300 cs, Selma Mercantile Corp, Aruba
700 cs, Aruba
25 cs, Selma Mercantile Corp, Curacao

ANNATTO SEED—50 bgs, Kingston

ANTIMONY ORE—300 bgs, Banco Minero de Bolivia, Arica

AROMATIC LEAVES—96 bgs, M E Schoen & Co, Port au Prince

ASBESTOS — 40 bgs, Guaranty Trust Co, Santos
266 bgs, Asbestos, Ltd, Lourenco Marques
1,324 bgs, Asbestos, Ltd, Lourenco Marques
2,634 bgs, Raw Asbestos Distributors, Beira
600 bgs, Raw Asbestos Distributors, Beira
4,050 bgs, Johns Manville Co, Capetown

BABASSU KERNELS—1,666 bgs, 100 tons, General Food Sales Corp, Brazil
6,666 bgs, 400 tons, General Food Sales Corp, Brazil
4,166 bgs, 250 tons, General Food Sales Corp, Brazil
5,000 bgs, 300 tons, General Food Sales Corp, Brazil
833 bgs, 50 tons, General Food Sales Corp, Brazil

BANANA POWDER—120 bgs, Sanib Corp, Puerto Cortez

BARBASCO ROOT—464 bgs, Galban & Co, Ciudad Bolivar

BAUXITE—11 cs, A Gianetti, Rio de Janeiro
5,160 long tons, Aluminum Co, Paramaribo

BEEF EXTRACT—90 cs, Armour & Co, Montevideo
200 cs, W Fischer, Buenos Aires

BOLDO LEAVES—90 bls, W R Grace & Co, Valparaiso
28 bls, Valparaiso

BRISTLES—80 cs, Universal Trading Co, China
50 cs, F H Cone & Co, China
100 cs, Universal Trading Co, China
50 cs, N Wagman & Co, China
50 cs, F H Cone & Co, China
50 cs, H Rosenhirsch Co, China
162 cs, Universal Trading Corp, China
12 cs, H Rosenhirsch Co, China
112 cs, Universal Trading Corp, China
200 cs, Universal Trading Corp, China

CANARY SEED—84 bgs, F H Von Damm, Buenos Aires

CARDAMOM—10 cs, B H Old & Co, Ceylon
40 cs, Givaudan Delawanna, Ceylon
20 cs, B H Old & Co, Ceylon
40 cs, Joensson & Cross, Ceylon
23 cs, Volkart Bros, Ceylon
20 cs, S B Penick & Co, Ceylon
20 cs, Westergaard-Berg-Johnsen Co, Ceylon
1½ tons, Volkart Bros, Ceylon

CASEIN—50 bgs, D C Andrews & Co, Buenos Aires
417 bgs, C W Burckalter, Buenos Aires
1,500 bgs, T M Duche & Sons, Buenos Aires
1,667 bgs, American Cyanamid & Chem Co, Buenos Aires
167 bgs, American Cyanamid & Chem Co, Buenos Aires
260 bgs, National City Bank, Buenos Aires

CASSIA, BROKEN—84 bls, East Asiatic Co, China

CASTOR BEANS—3,386 bgs, Baker Castor Oil Co, Santos
4,589 bgs, Spencer Kellogg & Sons, Santos
4,733 bgs, National City Bank, Santos
3,386 bgs, Baker Castor Oil Co, Santos
4,573 bgs, National City Bank, Santos
5,000 bgs, Spencer Kellogg & Sons, Ceara
1,650 bgs, Baker Castor Oil Co, Ceara
1,650 bgs, Spencer Kellogg & Sons, Ceara
1,650 bgs, Spencer Kellogg & Sons, Ceara
350 bgs, Jacmel
1,161 bgs, Baker Castor Oil Co, Port au Prince

CENTAURY—2 bls, S B Penick & Co, Montevideo

CINCHONA BARK—250 bgs, Central American Plantation Corp, Puerto Barrios

CINNAMON—325 bls, Volkart Bros, Ceylon

COBALT, COPPER RESIDUE — 5,801 bgs, Delgro Smelting Co, Beira

COCOA BEANS—3,000 bgs, National City Bank, Bahia
2,000 bgs, Bank of New York, Bahia
1,000 bgs, National City Bank, Bahia
1,500 bgs, Guaranty Trust Co, Bahia
1,500 bgs, Chase National Bank, Bahia
1,000 bgs, Bank of New York, Bahia
500 bgs, National City Bank, Bahia
1,500 bgs, Guaranty Trust Co, Bahia
600 bgs, Bank of New York, Bahia
54 bgs, Struller & Wood, Port au Prince
1,000 bgs, Nieschlag & Co, Ilheos
2,000 bgs A C Israel Commodity Co, Ilheos
2,000 bgs Curacao Trading Corp, Ilheos
1,000 bgs, Bank of London South America, Ilheos
1,000 bgs, A C Israel Commodity Co, Ilheos
5,500 bgs, A C Israel Commodity Co, Bahia
3,500 bgs, A C Israel Commodity Co, Bahia
2,000 bgs, Wessel Kulenkamp & Co, Ilheos
1,700 bgs, Wessel Kulenkamp & Co, Ilheos
151 bgs, Lopez & Mangual, Maracaibo
350 bgs, Janco Venezuela, Carupano
500 bgs, Carupano
700 bgs, O J Hitz, Carupano
83 bgs, Banco Venezuela, Carupano
500 bgs, Spain
200 bgs, Middleton & Co, Guayaquil
500 bgs, General Cocoa Co, Guayaquil
500 bgs, General Cocoa Co, Guayaquil
500 bgs, Guayaquil
155 bgs, Lopez & Mangual, Maracaibo
1,900 bgs Curacao
250 bgs, Royal Bank of Canada, Curacao
1,000 bgs, Curacao
34 bgs, Transmarine Mercantile Corp, Cape Haitien
250 bgs, A Canale, Cristobal
2,500 bgs, LaGuaira
1,286 bgs, Credit Suisse, LaGuaira
700 bgs, Guayaquil
850 bgs, A Canale, Guayaquil
200 bgs, Guayaquil
800 bgs, Guayaquil
5,000 bgs, National City Bank, Ilheos

COCOA BEANS—5500 bgs, Ilheos
2,000 bgs, Curacao Trading Co, Ilheos
3,000 bgs, Ilheos
2,000 bgs, Curacao Trading Co, Ilheos
4,500 bgs, National City Bank, Ilheos
3,000 bgs, Manufacturers Trust Co, Ilheos
4,500 bgs, Brown Bros Harriman Co, Ilheos
3,000 bgs, National City Bank, Bahia Bahia
1,500 bgs, Bank of London South America, Bahia
1,500 bgs, Brown Bros Harriman Co, Bahia
1,000 bgs, Bahia

COCOABUTTER—1694 bgs, Philadelphia National Bank, Ilheos

COCONUT DESIC—335 pkgs, Philippine Desic Coconut, Corp, Philippines
145 bgs, Philippine Desic Coconut Corp, Philippines
25 cs, Dodwell & Co, Philippines
165 cs, Dodwell & Co, Philippines
458 cs, Philippine Desic Coconut Corp, Philippines
786 bgs, Philippine Desic Coconut Corp, Philippines
954 bgs, Philippine Desic Coconut Corp, Philippines
378 cs, Durkee Famous Food, Philippines
1,128 bgs, Durkee Famous Food, Philippines
1,738 cs, Durkee Famous Food, Philippines
2,530 bgs, Durkee Famous Food, Philippines
200 cs, Wood & Selick, Philippines
200 bgs, Wood & Selick, Philippines
1,405 bgs, General Food Sales Corp, Philippines
771 cs, General Food Sales Corp, Philippines
5,108 bgs, General Food Sales Corp, Philippines
232 cs, Philippine Desic Coconut Corp, Philippines
3,307 cs, Philippine Desic Coconut Corp, Philippines
370 cs, General Food Sales Corp, Philippines

COCONUT SHELL CHARCOAL—2,000 bgs, General Sales Corp, Philippines
3,085 bgs, General Food Sales Corp, Philippines

COCONUTS—500 bgs, General Food Sales Corp, Kingston
750 bgs, J L Toledano Corp, Cristobal

COPAIBA BALSAM—3 cs, C E Griffin Co, Cristobal
12 dms, Magnus Mabee & Reynard, Cristobal
2 dms, Dodge & Olcott Co, Cristobal
2 dms, Fritzsche Bros, Cristobal
11 cs, R D Heins, Cristobal
15 dms, W R Grace & Co, Cristobal
12 cs, Pan American Export & Import Agency, Cristobal
3 cs, Wessel Duval & Co, Cristobal

CORK—111 bgs, Mundet Cork Corp, Lisbon
75 bgs, Cork Product Corp, Lisbon

DISCS—50 bls, Baldwin Universal Co, Lisbon

SHAVINGS—268 bls, Mundet Cork Corp, Lisbon
1,133 bls, Wicander & Co, Lisbon

VIRGIN—1,176 bls, Mundet Cork Corp, Lisbon
240 bls, Mundet Cork Corp, Lisbon
370 bls, Mundet Cork Corp, Lisbon
670 bls, Mundet Cork Corp, Lisbon
1,150 bls, Mundet Cork Corp, Lisbon

WASTE—607 bls, Baldwin Universal Co, Lisbon
1,050 bls, Mundet Cork Corp, Lisbon
370 bls, Mundet Cork Corp, Lisbon
2,601 bls, Baldwin Universal Co, Lisbon

WOOD—965 bls, Mundet Cork Corp, Lisbon
232 bls, Wicander & Co, Lisbon
350 bls, Armstrong Cork Co, Lisbon
1,200 bls, Cork Insulation Co, Lisbon

COTTON LINTERS—470 bls, Hercules Powder Co, Santos
586 bls, Hercules Powder Co, Santos

LINTERS RESIDUE—435 bls, Hercules Powder Co, Santos

COTTONSEED HULL—452 bls, Hercules Powder Co, Santos
1,181 bls, Hercules Powder Co, Santos

MEAL—425 bgs, Puerto Prince

CUBEBS—16 bgs, F B Ross & Co, Strait Settlements

DERRIS ROOT—96 bls, John Powell & Co, Philippines
135 bls, American Rotenone, Netherland Indies

DIVI-DIVI—1,843 bgs, Curacao Trading Co, Curacao
1,250 bgs, Curacao

DRUGS, VEGETABLE—10 bls, Trust Co of North America, Buenos Aires

DURANGO BARK—111 bgs, Duncan, Fox & Co, Cristobal

DYES, ANILIN—66 bbls, 1 cs, Geigy Co, Lisbon

ERGOT—71 dms, C L Huisking & Co, Lisbon
14 cs, C L Huisking & Co, Lisbon

FENNEL SEED—10 bgs, H Schoenfeld & Son, Puerto Prince

FLAXSEED—1,414,272 kilos, 56,571 bus, Leval & Co, Buenos Aires
1,610 bgs, 3,982 bus, Leval & Co, Buenos Aires
943 tons, 37,720 bus, Leval & Co, Buenos Aires
1,207 bgs, 2,655 bus, Leval & Co, Buenos Aires
485 tons, 19,400 bus, Leval & Co, Buenos Aires
620 bgs, 1,364 bus, Leval & Co, Buenos Aires
5,426 bgs, 11,937 bus, Bunge North American Grain Co, Buenos Aires
2,727 tons, 109,080 bus, Bunge North American Grain Co, Buenos Aires

FUSTIC—712 pcs, American Dyewood Co, Cristobal

GINGER ROOT—22 bgs, Peek & Velsor, Kingston
40 bgs, Kachurin Drug Co, Kingston
50 bgs, Barclay Bank, Kingston
6 bgs, Van Norden & Archibald, Kingston

GLANDS—35 cs, Wilson & Co, Buenos Aires

BEEF PANCREAS—60 tcs, Armour & Co, Montevideo
15 tcs, Armour & Co, Buenos Aires
60 tcs, Armour & Co, Santos

GLUE, BONE—500 bgs, Biological Raw Product Co, Santos

GRAPHITE—250 bgs, Joseph Dixon Crucible Co, Ceylon
250 bgs, C E Pettinos, Ceylon
250 bgs, Paterson, Boardman & Knapp, Ceylon
250 bgs, Joseph Dixon Crucible Co, Ceylon
250 bgs, J F Starkey & Co, Ceylon
272 bgs, Asbury Graphite Mills, Ceylon
286 bgs, Asbury Graphite Mills, Ceylon

GUM, CHICLE—1 bg, Chicle Development Co, Puerto Barrios

COPAL—81 bgs, J Krosnowski, Philippines
70 bgs, France, Campbell & Darling, Philippines
134 bgs, W H Scheel, Philippines
147 bgs, Stroock & Wittenberg, Philippines
67 bgs, S Winterbourne & Co, Philippines
63 bgs, W H Scheel, Philippines
135 bgs, Stroock & Wittenberg, Philippines

DAMMAR—210 bgs, Gillespie-Rogers-Pyatt Co, Straits Settlements
109 cs, S Winterbourne & Co, Straits Settlements
256 bgs, S Winterbourne & Co, Straits Settlements
64 cs, S Winterbourne & Co, Straits Settlements
70 bgs, G W S Patterson & Co, Straits Settlements

KARAYA—40 bgs, Innis, Speiden & Co, Ceylon

KAURI — 45 cs, S Winterbourne & Co, Auckland
30 cs, France, Campbell & Darling, Auckland
75 cs, Stroock & Wittenberg, Auckland
22 bgs, S Winterbourne & Co, Auckland
60 bgs, Stroock & Wittenberg, Auckland

GYPSUM—1,900 tons, Newark Paster Co, Windsor

HENNA LEAVES—120 bgs, S B Penick & Co, Ceylon

IPECAC ROOT—8 bgs, R D Heins, Cristobal
5 bgs, Gillespie & Co, Cristobal

KOLA NUTS—100 bgs, D Steengrafe, Kingston

LIQUIDAMBAR—2 dms, Eggers & Heinlein, Porto Cortez

LIVERMEAL—400 bgs, Porto Chalmers

LOGWOOD—21 tons, W & A Leaman, Kingston

EXTRACT—27 cks, Dyer & Phillips, Kingston
14 cks, Dyer & Phillips, Kingston

STRAITS—39 tons, American Dyewood Co, Kingston

MANGROVE BARK EXTRACT—6,000 bgs, Saxe Cutch Co, Strait Settlements

MANGANESE ORE—1,800 tons, Carnegie Illinois Steel Co, India

MARJORAM LEAVES—320 bgs, A Villagran, Arica
200 bgs, E E Marks & Co, Arica

MATE—12 bgs, Carlos Garcia, Buenos Aires

MEDICINAL PREPS—2 cs, D C Andrews & Co, Buenos Aires
8 cs, Bisleri Co, Buenos Aires
9 cs, D C Andrews & Co, Buenos Aires
20 cs, Amsee Drug Co, Rio Janeiro
5 cs, E R Squibb & Sons, Panama
17 cs, Rohner, Gehrig & Co, Lisbon
7 cs, Hoffman La Roche, Lisbon
4 cs, Gane Chem Works, Lisbon

MICA—120 cs, D F Young, Buenos Aires

BLOCK—10 cs, Chase National Bank, India
25 cs, A O Schoonmaker Insulation Co, India
12 cs, Heyman & Co, India
37 cs, Heyman & Co, India

CONDENSER—10 cs, Ford Radio & Mica Corp, India

DISCS—5 cs, Ford Radio & Mica Corp, India
8 cs, Heyman & Co, India
10 cs, Asheville Mica Co, India

FILM—3 cs, Heyman & Co, India
10 cs, Wm Brand & Co, India
9 cs, Anglo American & Colonial Co, India
7 cs, Heyman & Co, India
3 cs, Schwab Bros, India

SPLITTINGS—2,817 cs, Chase National Bank, India
95 cs, Ford Radio & Mica Corp, India
225 cs, Wm Brand & Co, India
350 cs, A O Schoonmaker Insulation Co, India
300 cs, Schwab Bros, India
200 cs, A O Schoonmaker Insulation Co, India
100 cs, Heyman & Co, India
20 cs, Cornelis & Suhr, India
375 cs, Anglo American & Colonial Co, India
213 cs, Heyman & Co, India

MILK, POWD—11 cs, Nestles Milk Product Co, Buenos Aires

MINERAL, CONC—32 bgs, Watson Geach Co, Barranquilla

MUSTARD SEED—314 bgs, W R Grace & Co, Valparaiso

NUTGALLS — 280 bgs, I R Boody & Co, China
187 bgs, I R Boody & Co, China

OIL, CAJEPUT—1 cs, McKesson & Robbins, Barranquilla

CANANGA—4 dms, Netherland Indies

CASTOR—82 dms, Goudrand Shipping Co, Buenos Aires

CINNAMON LEAF—4 dms, Colgate-Palmolive-Peet Co, Ceylon

CITRONELLA — 20 dms, Ungerer & Co, Ceylon
51 dms, Volkart Bros, Netherland Indies
173 dms, Netherland Indies

OIL, COCONUT—420 tons, Best Food, Inc, Philippines
1,120 tons, Philippine Refining Corp, Philippines

COD, SEAL AND SHARK—450 bbls, Greenland

CORN—777 dms, Bunge North American Grain Co, Buenos Aires

COTTONSEED—1,165 tons, Santos

ESSENTIAL—10 cs, C H Botkay, Rio de Janeiro
56 cs, C H Botkay, Rio de Janeiro
1 dm, Fritzsche Bros, Kingston
31 bbls, H A Sothern, Puerto Barrios

FISH—174 bbls, Greenland

FISH LIVER—1 bbl, Greenland

FUEL — 74,487 bbls, Asiatic Petroleum Corp, Curacao
10,000 bbls, Asiatic Petroleum Corp, Curacao

LIME—4 cs, Norda Essential Oil & Chem Co, Kingston

OITICICA—249 dms, Ceara
125 dms, Crown Oil Product Co, Ceara
249 dms, Murray Oil Product Co, Ceara
125 dms, Ceara
428 dms, Brazil Oiticica Co, Ceara
3 bxs, Brazil Oiticica Co, Ceara

ORANGE—17 cs, S Stern Stiner Co, Buenos Aires
25 crts, Biological Raw Product Co, Santos
5 dms, Biological Raw Product Co, Santos
25 cs, T M Duche & Sons, Santos
25 cs, Fritzsche Bros, Santos
30 cs, Santos
8 cs, Allondon Bayonne Co, Rio de Janeiro

PALM—2,704 tons, Netherland Indies

PATCHOULI—3 dms, Volkart Bros, Netherland Indies
19 dms, Netherland Indies

PETITGRAIN—20 dms, Guaranty Trust Co, Buenos Aires

RAPESEED, REFD—151 dms, Buenos Aires

SANDALWOOD—20 cs, Geo Lueders & Co, Ceylon

SEAL—1,529 bbls, Greenland
836 bbls, 2 dms, Greenland

SHARK—548 bbls, Greenland
216 bbls, 12 dms, Greenland

VEGETABLE—50 dms, Tonley & Co, Buenos Aires
3 dms, Allondon Bayonne Co, Rio Janeiro
150 dms, Spencer Kellogg & Sons, Bahia

WALRUS—17 bbls, Greenland
19 dms, 12 bbls, Greenland

WHALE—55 dms, 4 bbls, Greenland

WOOD—14 dms, F B Ross & Co, Strait Settlements

ORANGE PEEL—200 bgs, Jacmel
100 bgs, Bardinat Export, Ltd, Cape Haitien

OX GALLS—18 cks, Tupman Thurlow & Co, Auckland

PIMENTO—40 bgs, J S Miller, Kingston
175 bgs, Barclay Bank, Kingston
100 bgs, J A Marton, Kingston
150 bgs, Kachurin Drug Co, Kingston
25 bgs, Durkee Famous Food, Kingston
100 bgs, W E Martin, Kingston
100 bgs, Frank Tea & Spice Co, Kingston
25 bgs, G T Sherman, Kingston
70 bgs, Van Norden & Archibald, Kingston
100 bgs, McCormick & Co, Kingston
50 bgs, Otto Gerdan Co, Kingston
25 bgs, Knickerbocker Mills, Kingston
100 bgs, A G Dunn, Kingston
75 bgs, J A Manton, Kingston
30 bgs, Van Norden & Archibald, Kingston
50 bgs, A G Dunn, Kingston
75 bgs, A F Payne, Kingston
50 bgs, E F Leneen, Kingston
106 bgs, United Fruit Co, Kingston

QUASSIA CHIPS—400 bgs, S B Penick & Co, Kingston
200 bgs, R J Prentiss & Co, Kingston

QUEBRACHO EXTRACT—500 bgs, International Product Corp, Buenos Aires

QUICKSILVER—168 cs (1,000 flasks), 93,280 lbs, Flomarcy Co, Lisbon

RAPESEED—254 bgs, W G Scarlett, Buenos Aires

ROCK CRYSTALS—1,821 cs, Metal Reserve Corp, Rio Janeiro
1,097 cs, L J Buck, Rio Janeiro
6 cs, Rio Janeiro
5 cs, Pan-American Trade Co, Rio Janeiro

SALT—500 bgs, Middleton & Co, Turks Island

SCHEELITE ORE—78 bgs, Metal Reserve Co, Buenos Aires
101 bgs, Irving Trust Co, Buenos Aires
75 dms, Metal Reserve Co, Buenos Aires

SESAME SEED—34 bgs, East Asiatic Co, China
56 bgs, East Asiatic Co, China

SHELLAC—100 bgs, Mercantile Import & Export Co, India
200 bgs, Cornelis & Suhr, India
400 bgs, Thompson Ahern, India
35 cs, Thompson Ahern, India
175 bgs, Samuels & Co, India
25 cs, Samuels & Co, India
100 cs, Mercantile Import & Export Co, India
250 bgs, MacLac Co, India
500 bgs, Gillespie Rogers Pyatt Co, India
300 bgs, E E Zimmerman, India
75 bgs, Mercantile Import & Export Co, India
125 bgs, Thompson Ahern, India
15 bgs, M Rothchild, India
200 bgs, Parks Co, India
23 cs, Calcutta
25 cs, Gillespie Rogers Pyatt Co, India
10 cs, Dings & Schuster, India
200 bgs, E E Zimmerman, India
250 bgs, Gillespie Rogers Pyatt Co, India
1,650 bgs, E E Androvette, India

GARNET LAC—50 bgs, Samuels & Co, India
350 bgs, Thompson Ahern, India
180 bgs, Thompson Ahern, India

SEEDLAC—200 bgs, Wm Zinsser & Co, India
600 bgs, Dings & Schuster, India
300 bgs, MacLac Co, India
400 bgs, Wm Zinsser & Co, India
300 bgs, Gillespie Rogers Pyatt Co, India
500 bgs, Schwab Bros, India
600 bgs, Ralli Bros, India
200 bgs, MacLac Co, India
250 bgs, Wm Zinsser & Co, India
400 bgs, MacLac Co, India
300 bgs, Schwab Bros, India
700 bgs, MacLac Co, India

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.
Mail lists of arrivals promptly and regularly, or telephone them — REctor 2-9820.

SHELLAC, SEEDLAC—100 bgs, Mercantile Import Export Co, India
100 bgs, Mantrose Corp, India
350 bgs, Wm Zinsser & Co, India
300 bgs, Mantrose Corp, India
525 bgs, Parks Co, India
200 bgs, Mercantile Import Export Co, India
400 bgs, E E Androvette, India
SILVER SULPHIDE—83 bgs, J Henry Schroeder Banking Corp, Antofagasta
SOAP BARK—97 bls, S B Penick & Co, San Antonio
TALLOW—262 bgs, Armour & Co, Buenos Aires
239 dms, L Pasternak, Buenos Aires
405 bbls, Carl M Loeb, Rhoades & Co, Buenos Aires
266 bbls, C Hollinshed Co, Buenos Aires
550 bbls, Jacob Stern & Son, Buenos Aires
128 cks, Porto Chalmers
807 cks, Wanganui
691 cks, Napier
647 cks, Tupman Thurlow & Co, Auckland
400 bgs, National City Bank, Auckland
515 cks, Tupman Thurlow Co, Auckland
256 dms, Bank of Manhattan, Buenos Aires
TANKAGE—1,120 bgs, Buenos Aires
1,002 bgs, Buenos Aires
1,982 bgs, Swift & Co, Buenos Aires
400 bgs, Allied Mills, Inc, Buenos Aires
TAPIOCA FLOUR—6,752 bgs, Stein, Hall & Co, Netherland Indies
144 bgs, H S Cramer & Co, Cape Haitien
1,256 bgs, Netherland Indies
5,859 bgs, Irving Trust Co, Netherland Indies
1,500 bgs, Netherland Indies
275 bgs, Stein, Hall & Co, Netherland Indies
300 bgs, Philadelphia Natl Bank, Netherland Indies
PEARL—240 bgs, Cats American Co, Netherland Indies
TARA, POWD—312 bgs, International Product Corp, Salaverry
SEED—20 bgs, Zect Co, Chicana
SHEATHS—167 bgs, I Herman, Inc, Salaverry
274 bgs, W R Grace & Co, Salaverry
TARTAR—80 bgs, Charles Pfizer & Co, Buenos Aires
22 bgs, F M Oliva, Callao
TOLU BALSAM—18 cs, Leship Trading Co, Barranquilla
12 cs, Pan-American Export & Import Agency, Barranquilla
TUBA ROOT—48 bls, R J Prentiss & Co, India
TUCUM KERNELS—3,077 bgs, 200 tons, General Food Sales Corp, Brazil
WATTLE BARK EXTRACT — 600 bgs, Tannin Corp, Durban
WAX, BEES—26 bgs, Jacmel
12 bgs, H H Pike & Co, Port au Prince
11 bgs, Transmarine Mercantile Corp, Cape Haitien
38 bgs, W R Grace & Co, Salaverry
553 bgs, W R Grace & Co, Valparaiso
CARNAUBA—56 bgs, Wm M Allison & Co, Rio de Janeiro
56 bgs, Wessel, Duval & Co, Rio de Janeiro
105 bgs, American Cyanamid & Chem Co, Rio de Janeiro
89 bgs, Wm M Allison & Co, Rio de Janeiro
224 bgs, Rutger, Bleecker & Co, Ceara
224 bgs, Rutger, Bleecker & Co, Ceara
167 bgs, Rutger, Bleecker & Co, Ceara
OURICURY—76 bgs, National City Bank, Bahia
WINE LEES—956 bgs, Albert Mevi, Buenos Aires
847 bgs, Albert Mevi, Buenos Aires
WOLFRAM CONC—500 bgs, Chase National Bank, Antofagasta
ORE—10,000 bgs, 492 tons, 1 cwt, India
440 bgs, Metal Reserve Co, Arica
1,544 bgs, Metal Reserve Co, Antofagasta
421 bgs, W R Grace & Co, Mollendo
411 bgs, Wah Chang Trading Corp, Straits Settlements
WOLFRAMITE—34 bgs, Metal Reserve Co, Buenos Aires
88 dms, Guaranty Trust Co, Buenos Aires
397 bgs, Irving Trust Co, Buenos Aires

New York Transit Imports

CASEIN—325 bgs, Wellington, Montreal
COCA LEAVES—114 bls, Maywood Chem Works, Salaverry, Maywood
COCONUT DESIC—300 cs, Dodwell & Co, Philippines, Mobile
6,500 pkgs, Wood & Selick, Philippines, San Francisco
600 cs, Wilbur Ellis Co, Philippines, San Francisco
750 cs, Philip Levy, Philippines, Bridgeport
2,200 bgs, General Food Sales Corp, Philippines, Bridgeport
COTTON LINTERS—1,422 bls, West Texas Cottonoil Co, Santo, Houston
2,345 bls, West Texas Cottonoil Co, Santos, Houston
COTTONSEED MEAL—5,824 bgs, Ashcraft Wilkinson Co, Port au Prince, Atlanta
DRUGS, VEGETABLE—3 bls, Allaire, Woodward & Co, Buenos Aires, Peoria
GUM, KAURI—600 bgs, Harrison Crosfield, Auckland, Montreal
OIL, COCONUT—504 tons, Pacific Vegetable Oil Corp, Philippines, San Francisco
COTTONSEED—1,296 tons, West Texas Cottonoil Co, Santos, Houston
TALLOW—260 dms, Lever Bros, Auckland, Toronto
TAPIOCA FLOUR—500 bgs, Arnold Hoffman & Co, Neth Indies, Providence
PEARL—240 bgs, Bank of Montreal Neth Indies, Montreal
TEAWASTE—500 bgs, Citro Chem Co, India, Maywood

Baltimore Imports

CHROME ORE—8,964 tons, Bethlehem Steel Co, Nuevitas
3,100 tons, Santa Cruz
7,132 tons, Lourenco Marques
COPRA—2,000 tons, Zamboanga
IRON ORE—2,000 tons, Rio de Janeiro
21,500 tons, Bethlehem Steel Co, Cruz Grande
5,700 tons, Bethlehem Steel Co, Felton
MANGANESE ORE—2,400 tons, Calcutta
1,900 tons, Calcutta
OIL, FUEL—70,891 bbls, Standard Oil Co N J, Guiria
71,000 bbls, Standard Oil Co N J, Aruba
PETROLEUM, CRUDE—99,126 bbls, Standard Oil Co N J, Las Piedras
69,604 bbls, American Bitumuls Co, Las Piedras
TANKAGE—2,240 bgs, Santos
ZINC CONC—8,701 tons, Callao

Boston Imports

COCOA BEANS—20,000 bgs, Wessel, Kulenkampf & Co, Ilheos
36,000 bgs, Scarburgh Co, Ilheos
11,300 bgs, Wessel, Kulenkampf & Co, Ilheos
74,000 bgs, Scarburgh Co, Ilheos
99,000 bgs, Scarburgh Co, Ilheos
2,000 bgs, Scarburgh Co, Bahia
COCONUT, DESIC—350 cs, Dodwell & Co, Philippines
CORUNDUM, CRUSHED—2,632 bgs, Watson, Geach & Co, Lourenco Marques
OIL, COCONUT—1,251 tons, Philippine Refining Corp, Philippines

Norfolk Imports

BLOOD, DR—1,805 bgs, Swift & Co, Buenos Aires
950 bgs, Buenos Aires
1,807 bgs, Swift & Co, Buenos Aires
3,992 bgs, Armour & Co, Santos
986 bgs, Ashcraft Wilkinson Co, Buenos Aires
BONEMEAL—1,113 bgs, Ashcraft Wilkinson Co, Buenos Aires
3,338 bgs, Barber & Garratt, Buenos Aires
BONES—244 bgs, Hasleigh & Co, Santos
573 bgs, Hasleigh & Co, Santos
CHROME ORE—5,248 tons, 5 cwts, 2 qtrs, 24 lbs, E J Lavino & Co, Beira
751 tons, 14 cwts, 1 qtr, 4 lbs, E J Lavino & Co, Beira
TANKAGE—1,994 bgs, Buenos Aires

Philadelphia Imports

CHROME ORE—3,735 tons, Pastellilo
5,000 tons, Beira
1,861 tons, Turkey
COCOA BEANS—26,400 bgs, Balfour, Guthrie Co, Ltd, Takoradi
COCONUTS—50 bgs, Edwards-Freeman, Inc, San Juan
LIVER MEAL—2,002 bgs, Buenos Aires
LOGWOOD—1,397 tons, Kingston
MANGANESE ORE—5,000 tons, E J Lavino & Co, Takoradi
MOLASSES—1,410,000 gls, Publicker Alcohol Corp, Havana
1,202,518 gls, E I duPont deNemours Co, Inc, Macoris
217,547 gls, E I duPont deNemours Co, Inc, Barahona
OIL, COTTONSEED—110 dms, Balfour, Guthrie & Co, San Juan
CRUDE—150 dms, Balfour, Guthrie & Co, Ltd, San Juan
REFINED—50 dms, Balfour, Guthrie & Co, Ltd, San Juan
NEATSFOOT—251 tcs, Buenos Aires
PETROLEUM—80,878 bbls, Gulf Oil Corp, Puerto la Cruz
77,310 bbls, Gulf Oil Corp, Las Piedras
59,517 bbls, Gulf Oil Corp, Puerto la Cruz
120,410 bbls, Gulf Oil Corp, Puerto la Cruz
92,000 bbls, Atlantic Refining Co, Las Piedras
QUEBRACHO EXTRACT—6,270 bgs, Tannin Corp, Buenos Aires

Exports from U. S. Ports

Baltimore Exports

CALCIUM CHLORIDE—220,500 lbs, South America
EPSOM SALT—13,500 lbs, Port Elizabeth
FIRE CLAY—6,600 lbs, South America; 5 tons, South America
GREASE, LUBRICATING—21,500 lbs, South America
IRON, SAND—60,000 lbs, East London
LITHOPONE—152,400 lbs, Port Natal; 533,-595 lbs, South America
METHYL CHLORIDE—2,400 lbs, Port Natal; 540 lbs, Capetown
PAINT, DRY EARTH—100 lbs, Port Natal
POTASH, SULPHATE—310 tons, Port Natal

New Orleans Exports

ACID, HYDROCHLORIC—5 tons, Celba
PHOSPHOCRESYLIC — 6 tons, Puerto Cabezas
STEARIC—10 tons, Havana; 7 tons, Cristobal
CARBON DIOXIDE—12 cyls, Celba
KEROSENE—28 tons, Cristobal
LARD—98 tons, Havana; 7 tons, West Coast South America
OIL, AVIATION—7 tons, Puerto Cabezas
COTTONSEED—11 tons, Havana; 43 tons, Cristobal
DIESEL—125 tons, Puerto Cabezas; 103 tons, Celba
FUEL—273 tons, Celba
LINSEED—26 tons, Tampico
LUBRICATING—98 tons, Havana; 42 tons, Puerto Cabezas
PARAFFIN—23 tons, Tampico
PETROLEUM DISTILLATE—37 tons, Celba
NAPHTHA—9 tons, Cristobal; 22 tons, Colon; 5 tons, West Coast South America
QUEBRACHO EXTRACT—17 tons, Tampico
SALT—60 tons, Havana; 61 tons, Cristobal
TURPENTINE—17 tons, West Coast South America

Philadelphia Exports

ACID, FORMIC—50 cbys, Santos
GREASE, LUBRICATION—45 dms, Rio de Janeiro
110 cs, Rio de Janeiro
24 bbls, Rio de Janeiro
OIL, IMPURE—15 cs, Rio de Janeiro
LUBRICATING—200 dms, 50 cs, Buenos Aires
325 dms, 75 cs, Rio de Janeiro
100 dms, 50 cs, Santos

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Calcium Carbide:—The importation of calcium carbide into Switzerland has been made subject to special license and has been reserved solely to the Carbide Syndicate and its members.

Corn for Fuel:—The granting of exchange permits in Argentina for the importation of fuel will be subject to the purchase of specified quantities of corn to be used as fuel.

Fireworks:—The fact that the importation and exportation of arms, munitions, explosives, and fireworks in Mexico are subject to prior permits by the Secretary of National Defense has been called to the attention of Administrators of Customs.

Insecticides: — Dominican Republic has ruled that apparatus, machinery, instruments, materials and products intended for use in combatting the banana disease, "sigatoka," are exempted from import duties.

Margarin:—Uruguay's standards and packing and labeling requirements for butter and margarin have been amended so as to permit the substitution of starch in the proportion of one-half of one percent, for the percentage of sesame oil originally required in margarin.

Paints:—The exportation of paints has been made subject to license in Burma.

Storage: — The maximum period during which goods may be stored in private warehouses in Syria and Lebanon without customs clearance, has been increased from six months to one year.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—19,395 bbls, Richmond; 17,769 bbls, Richmond; 2,762 bbls, San Diego; 56,715 bbls, Seattle, 75,700 bbls, Seattle; 1,775 bbls, San Diego; 1,110 bbls, San Diego; 2,700 bbls, San Diego; 2,189 bbls, San Diego; 35,243 bbls, Oleum; 57,448 bbls, Portland; 73,737 bbls, Oakland; 60,208 bbls, Richmond; 12,475 bbls, San Diego; 17,697 bbls, Richmond; 19,315 bbls, Richmond
KEROSENE—2,196 bbls, San Diego
OIL, DIESEL—37,897 bbls, Seattle; 2,472 bbls, San Diego; 2,583 bbls, Oleum; 9,761 bbls, Portland; 20,250 bbls, Richmond; 2,246 bbls, San Diego
FUEL—68,322 bbls, Davenport; 63,749 bbls, Avon; 66,814 bbls, Seattle; 68,061 bbls, Portland; 38,400 bbls, Oleum; 105,659 bbls, Richmond; 2,529 bbls, Portland; 10,220 bbls, San Diego; 48,951 bbls, Portland
FURNACE—2,847 bbls, Portland; 2,235 bbls, San Diego

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended August 6

Epinephrine hydrochloride, ampoules, 1 parcel; not N.F.; false and misleading statements.
Cod oil, 100 drums; restricted use.
Ergot, 60 cases; not U.S.P.
Medicinal preparations, 4 parcels; new drug.
Medicinal preparations, 45 cases; false therapeutic claims.
Poppy seed, 100 bags; filthy.
Stramonium leaves, 10 bales; not U.S.P.
Thyme leaves, 115 bags; dirty.

Atlanta

Week Ended August 6

Medicinal preparation, 1 package; false therapeutic claims.

Baltimore

Week Ended August 4

Medicinal preparation, 2 cartons; false therapeutic claims.
Sesame seed, 200 bags; insect-infested.

Los Angeles

Week Ended July 31

Hair dye, 2,400 pieces; false and misleading claims.
Medicinal, 300 pieces; false and misleading claims; omission mandatory labeling.

Seattle

Week Ended July 31

Cassia, 168 bales; filthy and decomposed.
Medicinals, 63 pieces; false therapeutic claims.
Medicinals, 36 pieces; omission mandatory labeling; deceptive container.

India Needs Chemicals, Drugs, Says Purchasing Head

Sir Shanmukham Chetty, head of the Indian Purchasing Commission in the United States, who arrived in this country at New York last week said that the commission would maintain offices at 43 Exchange Place. Questioned about the needs of India, Sir Shanmukham said that his country requires lubricants, chemicals and medical supplies.

F.T.C. Cites Buyer For Price-Jockeying

—Continued from page 5

The complaint alleges that one method by which the respondent candy manufacturer knowingly received the benefit of price discrimination, was that after an increase in the price to the trade generally, some of the syrup manufacturers continued to charge and invoice the syrup to the respondent at the price prevailing before the increase.

The complaint further alleges that after beginning to receive these discriminations the respondent, during a certain period, when remitting to two certain corn syrup producers, deducted from 10 cents to 20 cents per hundredweight from their invoice prices at which approximately eighty-five tankcars of such syrup were sold, delivered and invoiced to the respondent by the two corn syrup manufacturers so as to make the price to the respondent $2.29 or $2.39 per hundredweight, $2.29 per hundredweight being the discriminatory price then being charged the respondent by a competitor of the two syrup manufacturers.

During all of this period, the complaint alleges, the respondent's competitors were being charged by and paying to the two syrup manufacturers prices equal to the prices at which the respondent was invoiced, all of which the respondent well knew.

It is further alleged that E. J. Brach & Sons, knowingly induced some of the corn syrup manufacturers to discriminate in price in its favor by making unauthorized deductions from the invoice prices when remitting, and by seeking to obtain the concurrence of the suppliers in such action by informing them that competitive syrup manufacturers were then selling such syrup to the respondent at the price resulting after the respondent had made the deductions, when in fact such sales had not been made to the respondent.

The complaint recites that the syrup manufacturers have followed a long established trade practice under which, after announcement of a price increase, all purchasers of corn syrup are permitted to enter orders at the old and lower price for a stated number of days, usually 5 or 10 days, for their requirements up to usually 30 days following the announcement, after which time the new and higher price is effective.

The complaint alleges that the respondent knowingly induced some syrup manufacturers to discriminate in price in its favor by ordering from each of several corn syrup manufacturers, after the announcement of a general price increase, an amount of syrup which the respondent could well use within the stated shipping period, but which orders, in the aggregate, were for an amount of such syrup far in excess of the respondent's requirements within such shipping period; and that the respondent neglected or refused to take shipment of all of the syrup so ordered from all of the manufacturers within such shipping period.

The respondent, it is alleged, thereupon solicited those manufacturers from whom it had so neglected or refused to take shipment to continue shipments after the expiration of such shipping period, until completed under such orders, at the old and lower price, although the syrup manufacturers were then charging to and receiving from the trade generally, including the respondent's competitors, the new and higher price on shipments made after the expiration of the stated shipping period. It is alleged that some of the corn syrup manufacturers so solicited by the respondent were prevailed upon to so continue such shipments upon being informed by the respondent that competitors were so doing and that refusal would result in loss of sales.

Formaldehyde Resins Allocated for Civilian Use

—*Continued from page 3*

constantly increasing requirements of civilian industries for plastics to use place of other materials no longer available.

First-Preference Uses

Mr. Henderson said that present prospects are that supplies of formaldehyde will be sufficient for requirements of the defense program and essential civilian needs, but that its use in the production of plastics going into such nonessential items as advertising premiums, "juke boxes," novelties, toys, amateur cameras, must be curtailed. With this objective, the new allocation program segregates into three classifications the non-defense uses of molding compounds, plastics, adhesives and miscellaneous binders, made from synthetic resins.

Senior preference for supplies for civilian use of resins made directly or indirectly from formaldehyde is directed for a wide range of industries and activities essential to the public welfare in classification "A." Included in this category are public and industrial light, heat, power, and water equipment; transportation equipment, including accessories to commercial airplanes; trucks, buses, tractors, fire-fighting implements, and farm equipment; technical instruments; material and equipment for scientific research; chemical protective uses; applications in the communications industry; oil-well equipment; industrial equipment; hose, other than protective coatings; mining; industrial, food, and medicinal containers and protective coverings for them; closures, except decorative; marine applications, and grinding wheels and other abrasive products.

Other Preferences

Secondary preference is assigned to such less essential civilian uses as passenger automobiles, cases for radio receivers, furniture, commercial cameras, textile finishing, and household appliances.

No preference whatsoever is provided for supplies of synthetic resins made directly or indirectly from formaldehyde in classification "C." In this bracket are placed items considered nonessential to the civilian welfare during the present emergency. A provision is continued in the program to shift into classification "B" from classification "C" certain products using only a small percentage of formaldehyde and in which formalrehyde resins are essential.

The preferences accorded in the first two classes are refined further in a separate section of the program. This section stipulates that preference shall be granted only to those uses of resins which are essential to the functioning of the classified part or material and that preference shall not be granted to such uses if satisfactory substitutes are available.

Special limited exceptions may be sought in cases where classification in the lowest bracket works any undue or unreasonable hardship or causes unemployment disproportionate to the conservation of the raw materials.

Nonplastic Uses Open

Formaldehyde, paraformaldehyre and hexamethylenetetramine for all nonplastic uses will receive the same preference as is assigned for uses under classification "A."

In a memorandum to Dr. J. K. Galbraith, chief of the OPACS price division, Lawrence Brown, of the chemical and drug unit of the civilian allocation division, explained the new program and requested that Dr. Galbraith call a meeting with the four formaldehyde manufacturers and the American Cyanamid & Chemical Corporation in order to discuss a price ceiling for this commodity. He said that, with the accomplishment of the new program, it is intended to see that an adequate supply of methanol is made available to manufacturers of formaldehyde to enable them to operate at full capacity. This will be necessary, he explained, because a great many important uses of formaldehyde are now being starved. Mr. Brown said:—

Unfortunately, many of the more essential uses are those in which the least profit can be made and the unessential uses are those in which the price of the raw material bears little, if any, connection with the sales price of the finished article. This is, of course, alway true in the novelty and luxury trades. As a result, people who desire formaldehyde to manufacture novelty items have been able to outbid the people who desire formaldehyde for embalming fluid or formaldehyde resins for truck brake linings and similar parts.

Most formaldehyde is made from methanol of which there are adequate supplies provided they are not employed too heavily in the production of antifreeze fluids for winter driving. There will not, however, be enough material both for all possible antifreeze and all possible formaldehyde, even in fact, enough for all necessary uses of formaldehyde.

What we are therefore doing is, in fact, taking away formaldehyde from antifreeze and devoting it to important resin production. An essential part of the policing of the allocation of formaldehyde is to prevent the operations of scalpers who are able to obtain in excess of 40 cents a pound for formaldehyde which is sold by reputable manufacturers in equivalent quantities at 6 cents. The manufacturers' price of formaldehyde has not changed for a considerable period and the two largest manufacturers, Heyden Chemical Corporation and E. I. du Pont de Nemours & Co., have told me that they have no intention at the present time of increasing their price and would be heartily in accord with a price schedule that follows their present practices. Those companies sell in tankcars at 4 cents a pound and in 450-pound barrels at 6 cents. Both permit agent's discounts from these prices to permit the distributing wholesalers to sell at these prices plus freight.

There are two other manufacturers of formaldehyde, Kay-Fries Chemicals and City Service Oil Company, and one very large distributor, American Cyanamid & Chemical Corporation. It would probably, therefore, be desirable to ask representatives of these five to meet with a representative of th price division in regard to a price order. I believe the discussion would be covered with relative brevity.

Flax Estimates Down On Heat in Dakotas

—*Continued from page 3*

stem rust was not a large factor in the losses suffered, though rust of the leaf type caused some damage. Hot weather brought grasshoppers and insects out but damage from this source was also limited.

Minnesota Reports Favorable

Flax Institute experts have been in the fields throughout the season and report excellent quality flax coming from Minnesota and Iowa points. The flax crop in the most productive areas of Minnesota and Iowa was excellent and will offset a portion of the losses suffered in the Northern portion of the belt. However, some of the late sown linseed in the Middle Western territory of Minnesota and South Dakota suffered from the heat.

Test on early run flax indicate that the crop harvested is of excellent quality and that it has good paint characteristics. Scattered tests on samples received have shown a high iodine figure, and oil content should be comparatively high. Much of the early seed planted according to the technical teachings of the Flax Institute and the agricultural colleges of the Northwest has produced a crop of quality seed. Definite proof of the excellent teaching and improved technique of planting was received by growers this year as their fields came into bloom, passed into the boll stage and was ready for harvest when the heat wave struck.

The situation in the Northwest is still much in doubt with no returns on the acreage affected by the heat and only scattered threshing returns from the Northern section of the belt. Despite the heavy loss from earlier predictions, the crop produced in the Northwest will be sufficient to take care of a good portion of the oil requirements of the United States.

Southwest Reports

In reporting on the condition of the flax crop, the Southwest Flaxseed Association said:—

While new crop is starting to harvest in the Southern part of the Mid-Western flax belt, with promise of good yields, the United States crop appears to be some 15,000,000 pounds shy of domestic requirements. Storage space for grains in the Mid-West is scarce and the new crop flax, if denied country storage, may have to be sold as harvested.

Obituaries

William R. Davis

William Rhodes Davis, internationally known for his huge dealings in oil, died of a heart attack in Houston, Tex., August 1. He was fifty-two years of age.

Mr. Davis, who figured prominently in oil deals with the Nazi government and Mexico, following the expropriating of American and British properties by the Mexican government, maintained offices in New York and Mexico.

Walter R. Leach

Walter R. Leach, secretary and general manager of the Carr-Lowrey Glass Company, Baltimore, died August 5 in his home, after a short illness. He was sixty years of age.

Born in Baltimore and after leaving school, entered the employ of the Carr-Lowrey organization, when only fifteen years old as office boy, rising successively to salesman, general manager, secretary and member of the board of directors. He was a member of the standardization and tariff committees of the Glass Containers' Association.

Surviving are his wife and two sons.

John James

John James, who was said to be the first to develop timbo root commercially for insecticidal purposes, died at his home in Sayville, L. I., July 31. He was fifty-five years of age.

Born in San Antonio, Tex., Mr. James started in railroad construction in Mexico at an early age, and in 1907 he went to Brazil, where for more than twenty years he was engaged in construction work and the operation of a rubber plantation. Upon the decline in the South American rubber industry in 1932, Mr. James returned to the United States.

Upon learning from the Department of Agriculture of the exhaustive tests made on the South American fish-poisoning plants, which the department found contained an alkaloid, later christened rotenone, and which the department had recommended for insecticidal purposes. Mr. James returned to Brazil where he set up a factory for the processing of the timbo root as well as establishing timbo plantations.

Surviving are his wife and a daughter.

Harrison Smith

Harrison Smith, chemical commission merchant, died in Philadelphia, Pa., July 27, following a brief illness. He was seventy-nine years of age.

A graduate of the University of Pennsylvania, Mr. Smith became associated with his uncle's firm Cooper Smith & Co., in 1884, which concern was at that time representative for Gashell, Deacon & Co., alkali manufacturer, Widnes, England. After the death of Cooper Smith, the business continued under the name of George P. Morgan & Co., and upon Mr. Morgan's retirement in December, 1925, Harrison Smith succeeded to the business under his own name and as the last survivor of the firm. He was actively engaged in business until his ultimate illness.

Eugene Charles Bennington, vice-president of the Chase Bag Corporation, this city, died in his home in Larchmont, N. Y., August 4. He was sixty-five years of age. He had been with the Chase organization and its predecessors for forty-five years.

Albert G. Glover, president of the Aglo Chemical Corporation, this city, died August 5 of a heart attack in the Hotel Churchill, this city, where he had been ill for several months. He was seventy-six years old.

Dr. Francis P. Jahn, for two years a chemical research engineer for the Standard Oil Company of Indiana, died August 3 in a Chicago hospital. He was twenty-eight years old.

Harold J. Martin, a salesman for Standard Brands, Inc., this city, for twelve years, died August 6 in a hospital here. He was forty-eight years of age.

Dr. Frank J. Monaghan, Commissioner of Health for the City of New York, 1923-1928, died in Oneonta, N. Y., July 26. He was seventy-five years of age.

Joseph P. Reap, a salesman for the Linde Air Products Company, this city, for twenty-seven years, died August 1. He was fifty-five years of age.

J. Addison Robb, sr., a retired officer of Frederick H. Cone & Co., importer and exporter of bristles, this city, died in Mount Vernon, August 5. He was seventy-five years of age.

Mrs. Isabelle Weart Tilford, widow of Henry Morgan Tilford, former president of the Standard Oil Company of California, and vice-president of the Standard Oil Company of New York, died July 31.

Sir Robert Waddington, Controller of Dyestuffs since 1939, died recently. He was seventy-two years of age. Sir Robert was also a cotton spinner and manufacturer. In 1930 he went to South Africa with the United Kingdom Economic Mission.

Guy Wellman, former general counsel for the Standard Oil Company of New Jersey, died in this city July 27. He was sixty-five years of age.

Sherwin-Williams Ties-In Ad With Defense Bond Drive

The Sherwin-Williams Company, paint manufacturer, Cleveland, is distributing three-color posters as its contribution to the effort of American industry to promote the sale of United States defense bonds and stamps.

An ingenious tie-up is effected between the company's famous slogan

"SWP Covers the Earth" and the stopper line of the poster, which reads:—

"So that Freedom may cover the earth, Buy United States defense bonds and stamps." The Sherwin-Williams poster is a fifteen by twenty inch lithograph in red, blue and yellow, suitable for use in store windows, store counters and on the sides of trucks.

Feldspar Freight Revised

The New York Public Service Commission has approved new commodity freight rates of the Baltimore & Ohio Railroad on feldspar and syenite, crude or ground, carload, minimum weight 60,000 pounds, rates per ton, from Rochester and Genesee Park to Elmira on Delaware, Lackawanna & Western or Lehigh Valley $2.20 and to Lockport on New York Central $1.80, on the Erie from Rochester to Elmira $2.20 per net ton. Reduction effective August 26, 1941.

Swimming-Pool Sanitation Handbook Distributed

A comprehensive treatise on every phase of swimming-pool sanitation has just been published by the Mathieson Alkali Works, Inc., 60 East 42nd street, this city. This 50-page book, entitled "Keeping the Pool Safe and Sanitary," discusses all modern methods of purifying the water of every type of swimming pool, from the small private pool to large natural bodies of water. Copies can be obtained from the company by mentioning the REPORTER.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agents Wanted

SALES AGENT or distributor wanted by importers of Diatomaceous Earth and Pumice Stone. Prefer individual or firm experienced in these products and acquainted with consumers. BOX 317, Oil, Paint and Drug Reporter.

Capital Offered

I WISH to purchase a business manufacturing either rubber, plastic, metal, or chemical products, whose sales have been greater than $250,000 annually. Write full information in letter which will be strictly confidential. BOX 316, Oil, Paint and Drug Reporter.

Equipment Offered

FOR IMMEDIATE shipment: — Two W.&P. jacketed mixers, 150 gal.; pebble and ball mills, lab. to 700 gals.; jar mills 1 to 15 gals.; 2 truck atmos. dryer; Stokes 2½x8 rotary dryer; 3x8 ft. rotary steam tube dryer; vacuum shelf dryers; Sharples No. 6 super centrifuge; DeLaval No. 700 centrifuge; pony mixers; lead and paste mixers; powder mixers, up to 3,000 lb.; varnish kettles; Rotex sifters; five filter presses 32 in. sq., also 12 in. to 48 in. sq.; No. 7 and 10 Sweetland filters; 12x30 and 16x40 in. 3 roll mills; stone mills 8 in. to 36 in.; Raymond mills No. 00, 0 and 1; jack. agit. vac. stills; kettles and tanks, vacuum pumps; crushers and pulverizers, centrifugals, tablet machines, disc filters, iron mills, portable agitators; rotary and centrifugal pumps, powder and paste fillers; bottle fillers and washers. Only partial listing. Write for complete bulletins. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street,, New York City.

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Offered

FOR SALE:—Three 12-in x 32-in. Day 5-roller mills, motor driven; pony mixers, 8 to 40 gals.; three Kent 8-in. lab., and five Ross 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700-gal. jacketed mixer; thirty filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers, Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

NEW JAR MILLS:—1 and 4 gal. used 36 in. x 42 in. Silex-lined pebble mill; skeleton wood filter press, 24 in. by 24 in.; 300 gal. rubber-lined vacuum kettle; one Swenson aluminum evaporator minus tubes. Lawler Company, Metuchen, N. J.

IMMEDIATE DELIVERY: Sharples No. 6 Super Centrifuge, monel bowl; Stokes F single punch and Rotary B tablet machines; Patterson porcelain lined 30 gal. pebble mill; Abbe single, double and quadruple jar mills; Copper and Aluminum jacketed kettles from 20 to 200 gals.; Samco Jr, filler, nickel parts, Colton No. 2 tube filler and sealer; Shriver 18 in. C. I. filter press; Day powder mixer, 50 to 600 lb. capacity. What have you for sale? Machinery and Equipment Corp., 59 E. 4th Street, New York City.

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms - Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 313, Oil, Paint and Drug Reporter.

Equipment Wanted

PAINT MANUFACTURER desires to buy surplus machinery from actual manufacturers for own use. Seeks portable kettles, mixer, 3-roll mills, ventilators, motors, pumps, etc. BOX 318, Oil, Paint and Drug Reporter.

Factories Offered

CORNER FACTORY. Modern one-story brick. 150x100 ft., sprinklers, concrete floor with drains, high pressure boiler, 225 H.P. Yard available. Bargain. Also for lease. Unrestricted district, lower Bronx, N. Y. The R. L. Kraft Company, Woolworth Building, New York City, COrtlandt 7-9377.

Materials Offered

THE FOLLOWING chemical products, shipped from a Latin-American port, are available in large quantities. Purity guaranteed. Reduced prices on yearly contracts for substantial orders. Cholic acid and its salts; dehydrocholic acid and its salt; para-aminophenylarsonic acid and its sodic salt (Atoxyl); diiodoparaphenol sulphonic acid (Sozoyodol) and its salts; beta-phenylisopropylamine (Benzedrine) and its salts; cacodylic acid and its salts. Indicate quantities required. BOX 306, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

CHEMICAL BUYER. For large midwest wholesale druggist. Must be experienced. Sales-minded preferred. BOX 319, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST: Paints, varnishes and lacquers, graduate of a leading university, professional degree, sixteen years' experience all phases this field. Formulation, research, development, sales management, plant management. Versatile, efficient and very hard worker. Draft deferred. At present employed as general manager paint and varnish organization. Much experience in manufacture resins, specialized and synthetic oils, pigments and other raw materials. BOX 308, Oil, Paint and Drug Reporter.

SALESMAN. Detail man. Executive type with a thorough experience in pharmaceuticals, biologicals, vitamins, and fine chemicals, wishes connection. Fine record. Good educational background. Highest type references. BOX 315, Oil, Paint and Drug Reporter.

Services Offered

RUM TECHNOLOGIST—Consultant for improvement in plant capacity, yields, and quality of products through special manufacturing methods. Creation of special rum types, including the famous Jamaican. Six years of intensive continuous research in rum manufacture. Rafael Arroyo, Ch. E. & S. E., P. O. Box 136, Rio Piedras, Puerto Rico.

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological records of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stock

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

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Located at BUFFALO, N. Y.

PRINCIPAL ITEMS

3—Completely equipped RESEARCH LABORATORIES.
1—Complete COFFEE DEPARTMENT, including roasters, grinders, blowers, packing and filling machines, etc.
1—Complete Soap Wrapping and Soap Powder Filling Department, including Johnson Weigher and Filler, Johnson Top and Bottom Sealers, Compression Unit and 2 Pneumatic Scale Wet Labelers.
1—4-section Soap Chip Dryer with 5 chilling rolls.
1—F. J. Stokes 90-C. auto. Tube Filler, Closer, Clipper.
5—Dry Powder Mixers, 600 lb. to 1000 lb.
Approximately 20 Copper Tinned Mixing, Tilting Tanks.
Approximately 65 Copper, Alum., and Glass Lined Tanks and Jack. Kettles, 5 gal. to 3500 gal.
5—Dopp C. I. Jack. Agitated Kettles, 35 to 125 gals.
1—Pneumatic Scale Packaging Unit with parchment liner.
3—Std. Sealing Equip. Co. auto. Top and Bottom Case Sealers and Compression Units.
1—Johnson Packaging Unit with Bond Filler.
1—Complete Bottling Line, consisting of 2 Std. auto. 12-spout Vacuum Fillers, Corker, World Rotary Labeler.

MISCELLANEOUS—Percolators, Pulverizers, Drug Mills, Granulators, Dough Mixers, Stills, Filling Machines, Scales, Testing Equipment, Pumps, Water Still, Lab. W. & P. Mixer, Tanks, Kettles, etc.

Send for Complete Illustrated Circular

CONSOLIDATED PRODUCTS CO., Inc.
13-18 Park Row - - New York, N. Y.
SHOPS, 335 Doremus Avenue, Newark, N. J.

Petroleum Products

Petrolatums and Waxes

—Continued from page 55

Tulsa—Aug. 8

Market for wax continues strong. All prices firm.

Paraffin.—Good interest shown. Quotations firm.

Petrolatum.—Buyers quiet. Quotations unchanged.

Fuels and Lubricants

Gasoline.—Heavy demand. Price firm.

Kerosene.—Large movement into consumption. No price changes.

Lubricating Oils. — The 600-650 steam refined Pennsylvania cylinder oil advanced ¼c. per gallon to 13¼c. to 16c. Other quotations unchanged.

Markets at Other Centers

Chicago—Aug. 8

Demand continues to set new high records. The price structure is firm.

Gasoline. — Consumption at record, prices strong.

Kerosene. — Tone quiet, prices unchanged.

Lubricating Oils.—Demand good.

New Orleans—Aug. 8

Firmness prevailed in gasoline and kerosene. Quotations have remained unchanged since the early part of July and continue to evidence this steady trend.

Gasoline.—Market normal; price stable.

Kerosene. — Demand moderate; no change in price.

Tulsa—Aug. 8

Only orders for delivery during the next ten days or two weeks are being taken as the market continues very strong.

Gasoline.—Urgent demand. Quotations at highest of year.

Kerosene.—Less interest. Prices strong.

Natural Gasoline. — Good demand. Prices stationary.

Oil Research Reports Set for A.C.S. Meeting

—Continued from page 4

of the Standard Oil Company of Indiana, and Bruce B. Carr and M. S. Agruss of the Pure Oil Company, Chicago.

A group from the Texas Company, Beacon, N. Y., will present a paper on the "Determination of Phosphorus in Lubricating Oil" engine lubricating oils by the use of small amounts of additives of the most varied nature. Other paper will describe ingenious laboratory equipment for duplicating engine conditions, so that new oils or new additive may be tested without the necessity for using a fleet of cars. Research in alkylation, a commercial process important in producing the large volume of high-octane aviation gasoline required by the Army and Navy, will also be reported.

Oil Conservation Div. Headed by J.W. Steele

OPD Washington Bureau
August 4, 1941

Designation of Jack W. Steele, chairman of Federal Tender Board No. 1 at Kilgore, Tex., to be acting director of the Petroleum Conservation Division of the Department of the Interior, was announced today by Secretary Harold L. Ickes.

Selected to fill the temporary vacancy created by the appointment of George W. Holland as special assistant to Secretary Ickes as Petroleum Coordinator for National Defense, Mr. Steele will continue to serve as chairman of the Federal board in addition to his tour of duty as acting director of the Petroleum Conservation Division.

Tank Car Consultant Post Given to Bourque

OPD Washington Bureau
August 4, 1941

Appointment of A. V. Bourque, Tulsa, Okla., as tank car consultant was announced today by Ralph Budd, Transportation Commissioner of the Office for Emergency Management. Mr. Bourque is executive secretary of the Tank Car Service Committee, recently formed to coordinate existing railroad tankcar supply to meet increased demand for land transportation of petroleum resulting from diversion of tank ships from East Coast service.

Mr. Bourque has been in the oil industry since 1906, having worked on various oil trade journals, and for associations of petroleum refineries. He was allocator for the Midcontinent oil fields for the NRA.

Blaffer Retires from Humble Co.

R. L. Blaffer, treasurer of Humble Oil & Refining Company, Houston, Tex., since 1919 and chairman of the board since 1937, has retired. He is sixty-five years of age. No announcement has been made as to his successor.

Index to Advertisements

Advance Solvents & Chemical Corp..... —
Alabama Charcoal Co..... 30
Alexander, Jerome..... 54
Alkydol Laboratories, Inc..... —
Allied Asphalt & Mineral Corp..... —
American Agricultural Chemical Co..... —
American British Chem. Supplies, Inc... 36
American Can Co..... —
American Cyanamid & Chemical Corp.... —
American Firstoline Corp..... 48
American Flange & Mfg. Co..... —
American Potash & Chemical Corp..... —
Anderson Prichard Oil Corp..... —
Angus, W. W., Inc..... —
Ansbacher-Siegle Corp..... 41
Apex Chemical Co., Inc..... —
Association of Consulting Chemists and Chemical Engineers, Inc..... 54
Atlantic Coast Fisheries Co..... 48
Atlantic Refining Co..... 55
Atlas Powder Co..... 48

Baker, J. T., Chemical Co..... 1
Barber Asphalt Co..... —
Barium & Chemicals, Inc..... 30
Barium Reduction Corp..... 28
Barrett Company..... 34, 56
Bemis Bro. Bag Co..... —
Benzol Products Co..... —
Berk, F. W., & Co., Inc..... 47
Binney & Smith Co..... —
Brighton Copper Works..... —
Brode Corp., The..... 45
Bromund, E. A., Co..... 45
Bureau of Chemistry..... 54
Burke, Edw. S..... —
Bush Pan-America, Ltd..... 55
Bush, W. J., & Co., Inc..... 53

Calco Chemical Division..... 13
California Fruit Growers Exchange..... 62
Capital City Products Co..... —
Carbide & Carbon Chemicals Corp..... —
Carey, The Philip, Co..... —
Chemical Solvents, C. P., Inc..... 42
Chilean Nitrate Sales Corp..... —
Church & Dwight Co..... 62
Colgate-Palmolive-Peet Co..... 49
Colledge, E. W., General Sales Agent.... —
Colton, Arthur, Co..... —
Columbia Chemical Division..... —
Commercial Solvents Corp..... 9
Consolidated Products Co., Inc..... 60
Consumers Import Co., Inc..... 62
Continental Can Co..... 24
Cowles Detergent Co..... —
Crown Can Co..... —

Darling & Co..... 37
Day Chemical Company..... 54
Desert Chemical Company..... 31
Diamond Alkali Co..... 2)
Dickhart, W. H..... 54
Dodge & Olcott Co..... 53
Doggett, Stanley, Inc..... —
Douglass Sulphur Co..... —
Dow Chemical Co..... —
Dunkel, Paul A., & Co., Inc..... —
DuPont de Nemours, E. I., & Co., Inc.... 1
Durez Plastics & Chemicals, Inc..... —

Eastman Kodak Co..... —
Edwal Laboratories, Inc..... 48
Ehrlich, J..... 54
Ellis-Foster Co..... 54
Emery Industries, Inc..... 43

Faesy & Besthoff, Inc..... —
Felton Chemical Co., Inc..... —
Fezandie & Sperrle..... —
First Machinery Corp..... 60
Food Research Laboratories, Inc..... 54
Frank-Vliet Co., Inc..... 52
Franks Chemical Products Co..... 40
Freeport Sulphur Co..... —
Fritzsche Bros., Inc..... 52, 55
Fulton Bag & Cotton Mills..... —

Gartenberg, H., & Co..... 37
General Chemical Co..... —
General Drug Company..... 19
General Electric Co..... —
Georgia Kaolin Co..... —
Germantown Mfg. Co..... 52
Geseli, R., Inc..... 48
Givaudan Delawanna, Inc..... —
Golwynne Chemicals Co..... 16
Gray, William S., & Co..... —
Gray Industrial Laboratories..... 54
Greeff, R. W., & Co..... 30
Gross, A., & Co..... 43
Gruman, J. B., Co..... —

Hallowell, Horace J..... 54
Hardesty, W. C., Co., Inc..... 43
Harshaw Chemical Co..... —
Heekin Can Co..... 49
Heyden Chemical Corp..... —
Holt, C. J., Co., Inc..... 54
Hooker Electrochemical Co..... 25
Hopkins, J. L., & Co..... 51
House of Wallace..... 54
Huisking, Chas. L., & Co..... 49
Hutchinson, D. W., & Co., Inc..... 53

Imperial Paper & Color Corp..... —
Independent Mfg. Co..... 45
Industrial Consulting Labs., Inc..... 54
Inland Alkaloid Co..... —
Innis, Speiden & Co..... —
International Pulp Co..... 40
International Selling Corp..... —
Irvington Smelting & Refining Works.... —

Jackle, Frank R..... 56
Jones & Laughlin Steel Corp..... —
Jungmann & Co., Inc..... 30

Kachurin Drug Co..... 51
Kelco Co..... —
Kentucky Color & Chemical Co..... 41
Kessler Chemical Co., Inc..... 47
Khosrovshahi, Morteza..... 52
Knight, B. H..... 54
Koppers Company..... 35
Krebs Pigment & Color Corp..... 39

Laning, E. M., Co..... 54
LaWall & Harrisson..... 54
Leghorn Trading Co..... 48
Lemke, B. L., Fine & Rare Chemicals.... —
Leonhard, Theodor, Wax Co., Inc..... —
Lueders, George, & Co..... —

Magnetic Pigment Co..... —
Magnus, Mabee & Reynard, Inc..... 53
Mallinckrodt Chemical Works..... —
Mann, F. J., Inc..... —
Mantrose Corp..... —
Marine Magnesium Products Corp..... —
Mathieson Alkali Works, Inc..... —
McKesson & Robbins, Inc..... 61
Menhaden Fish Products Co..... —
Mercantile Import & Export Co..... 49
Merck & Co., Inc..... 32, 33
Metallurgical Products Co..... —
Metasap Chemical Co..... —
Meyer, Herman, Drug Co., Inc..... 48
Michigan Alkali Co..... —
Millmaster Chemical Co..... —
Mills, Zophar, Inc..... —
Minnesota Specialty Co..... —
Molnar Laboratories..... 54
Monsanto Chemical Co..... 46
Munch, James C..... 54
Mutual Chemical Co. of America..... 37

National Aniline & Chemical Co., Inc.... —
National Box & Lumber Co..... —
National Lead Co..... —
National Milk Sugar Co..... 48
National Rosin Oil & Size Co..... —
Natural Products Refining Co..... 37
Neuberg Chemical Corp..... 15
Neville Co..... —
New Jersey Zinc Co..... —
N. Y. Quinine & Chemical Works, Inc.. —
Niacet Chemicals Corp..... 37
Niagara Alkali Corp..... 11

Oil States Petroleum Co., Inc..... 55
Oldbury Electro-Chemical Co..... —
Orbis Products Corp..... —
Orthmann Laboratories, Inc..... 54
Osborn, C. J., Co..... 40

Pacific Alkali Co..... 30
Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... 40
Paramet Chemical Corp..... 39
Parsons, M. W..... 41
Penick, S. B., & Co..... 50
Pennsylvania Coal Products Corp..... —
Pennsylvania Industrial Chem. Corp..... —
Pennsylvania Refining Corp..... —
Pennsylvania Salt Mfg. Co..... —
Pfaltz & Bauer, Inc..... 30
Pfizer, Chas., & Co., Inc..... 27
Phelps Dodge Refining Co..... 11
Philadelphia Quartz Co..... —
Phosphate Mining Co..... 28
Pittsberg Chemical Co..... 31
Pittsburgh Plate Glass Co..... —
Polachek, Z. H..... 54
Potash Co. of America..... —
Prentiss, R. J., & Co..... 52
Prior Chemical Corp..... 1
Procter & Gamble..... 43, 48
Publicker Commercial Alcohol Co..... —
Purdy, W. S., Inc..... 54
Pure Calcium Products Division..... —
Purocaine Chemical Co..... —

Raisch, John E., & Co..... 54
Reed-Blair Laboratories..... 54
Reichhold Chemicals, Inc..... —
Republic Steel Corp..... —
Rheem Mfg. Co..... —
Robinson Wagner Co..... —
Rosenthal, H. H., Co., Inc..... 62
Rufert Chemical Co..... 16

Sadtler, Samuel P., & Sons, Inc..... 54
St. Joseph Lead Co..... —
Schuylkill Chemical Co..... 62
Schwarz Laboratories, Inc..... 54
Seil, Putt & Rusby, Inc..... 54
Seydel Chemical Co..... —
Sharples Chemicals, Inc..... 1
Shell Oil Co..... 21
Sherwood Refining Co., Inc..... 55
Silzle, E. A., Corp..... —
Skelly Oil Co..... —
Smith, Kline & French Labs..... 61
Snell, Foster D., Inc..... 54
Socony-Vacuum Oil Co., Inc..... 41
Solvay Sales Corp..... 23
Sonneborn, L., Son, Inc..... 62
Southern Acid & Sulphur Co., Inc..... 31
Sparkler Mfg. Co..... —
Standard Alcohol Co..... —
Standard Brands, Inc..... 2
Standard Oil Co. of Calif..... 55
Standard Specialty & Tube Co..... —
Standard Synthetics, Inc..... —
Standard Ultramarine Co..... —
Stauffer Chemical Co..... 30
Stillman & Van Siclen, Inc..... 54
Stillwell & Gladding..... 54
Stroock & Wittenberg Corp..... 40
Sun Oil Co..... —

Taintor Trading Co., Inc..... —
Tamms Silica Co., Inc..... —
Tar & Chemical Div. of Koppers Co..... 35
Tar Residuals, Ltd..... 36
Tennessee Corp..... —
Texas Gulf Sulphur Co., Inc..... 56
Thompson-Hayward Chemical Co..... 30
Thornton, The F. C., Co..... 38
Thurston & Braidich..... 41
Titanium Pigment Corp..... 6
Todd, A. M., Co..... —
Tombarel Products Corp..... —
Truesdail Laboratories, Inc..... 54
Turner, Joseph, & Co..... 28
Tuteur & Co..... 30

Union Carbide & Carbon Corp..... —
U. S. Industrial Chemicals, Inc..... 17, 18
United States Potash Co..... —

Vanderbilt, R. T., & Co., Inc..... —
Van Schaack Chemical Works, Inc..... 53
Victor Chemical Works..... 28
Viking Distributing Co..... —
Vitro Mfg. Co..... —
Vol-U-Meter Co..... —

Wah Chang Trading Corp..... 44
Warner Chemical Co..... —
Weiss & Downs, Inc..... 54
Wet Ground Mica Assn., Inc..... —
White Tar Co. of N. J..... 35
Wiley & Co., Inc..... 54
Will & Baumer Candle Co., Inc..... —
Williams, C. K., & Co..... —
Wilson-Martin Division..... 44
Wishnick-Tumpeer, Inc..... —
Woburn Degreasing Co. of N. J..... 44
Wolf, Jacques, & Co..... —
Wood Preserving Corp..... 35
Woodridge Division..... 47

Zinsser & Co., Inc..... 28
Zophar Mills, Inc..... —

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